

City of Burlington,

TO

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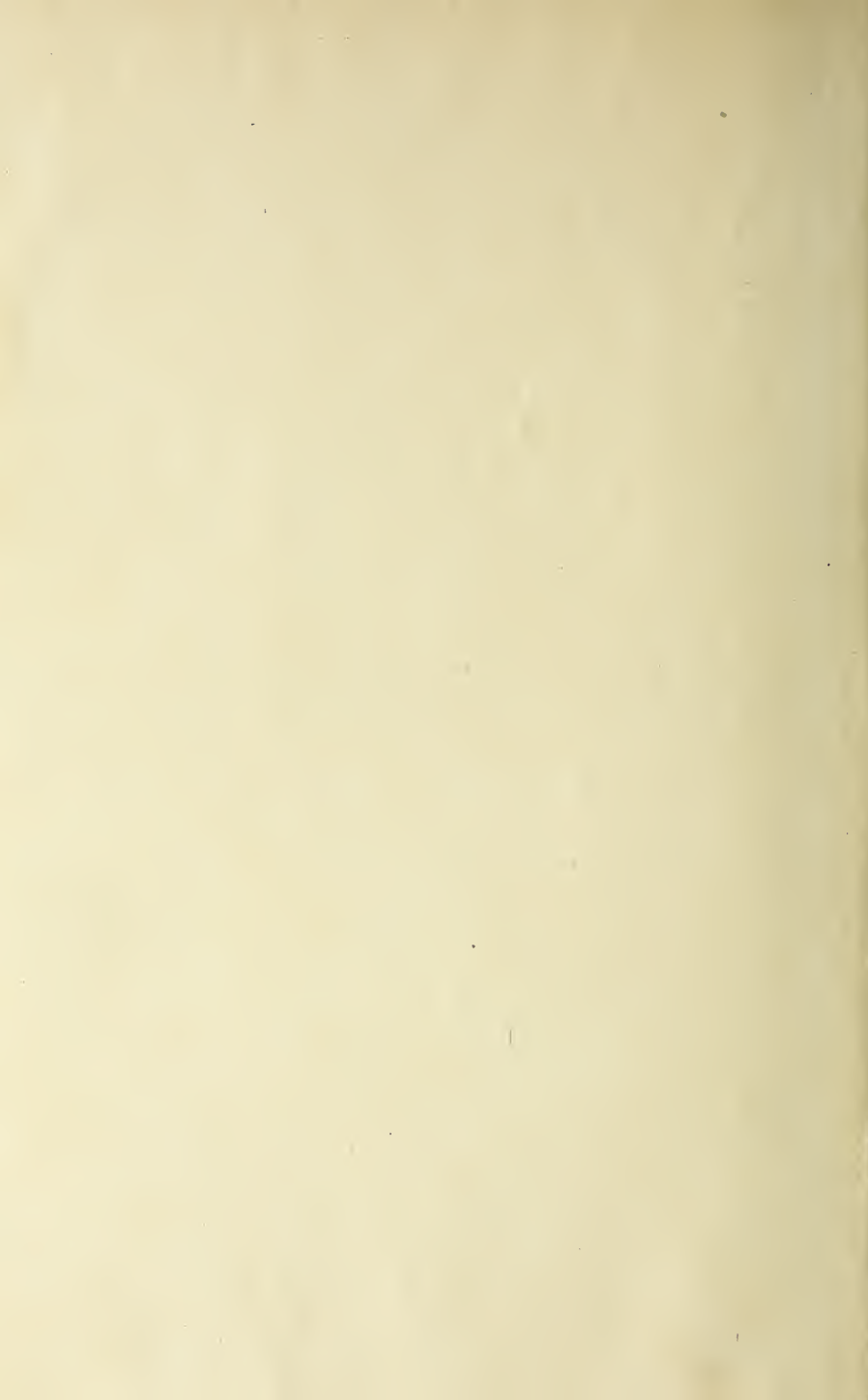
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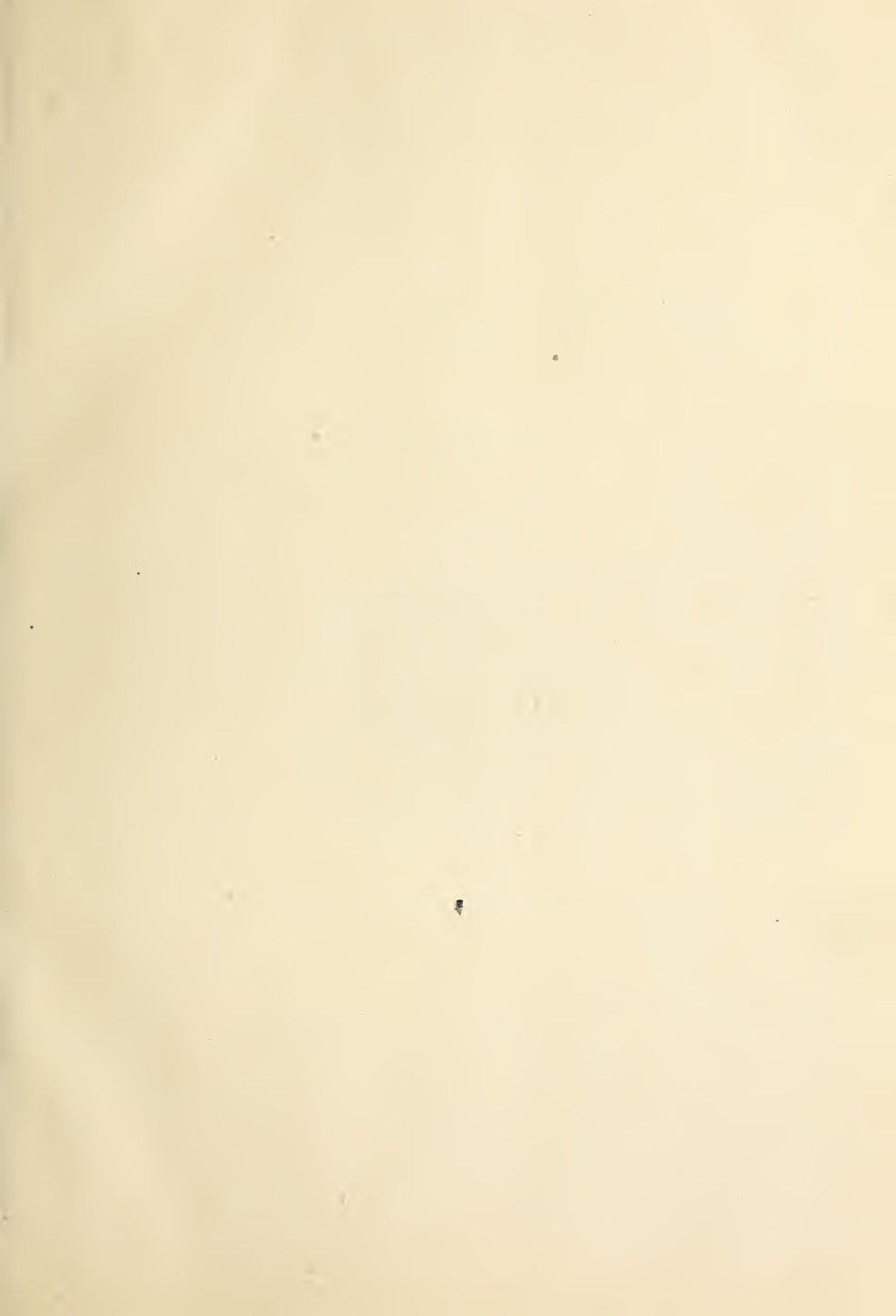
1891







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TWENTY-SEVENTH
ANNUAL REPORT
OF THE
CITY OF BURLINGTON,
VERMONT,

FOR THE



YEAR ENDING DECEMBER 31, 1891.

BURLINGTON :
FREE PRESS ASSOCIATION,
1892.

Resolution.

Resolution relating to the publication of the Twenty-seventh Annual City Report, introduced by Alderman Rand in the Board of Alderman, at a meeting held on the 26th day of January, 1892, and adopted, in the words following :

CITY OF BURLINGTON,

In the year one thousand eight hundred and ninety-two.

Resolved, by the City Council of the City of Burlington, as follows:

The City Clerk is hereby directed to prepare for publication the Annual Reports of the City Officers, and such other matter as is usually published in the City Reports, for the year ending Dec. 31, 1891, and, by and with the advice and direction of the Committee on Printing and Publication, to procure printed 1,400 copies thereof for taxpayers and general distribution, and that said copies be printed ready for such distribution by the 20th day of February, 1892.

Approved January 27th, 1892.

SENECA HASELTON, *Mayor*.

Government and Officer

OF THE
CITY OF BURLINGTON,
FOR 1891.

Mayor,

HIS HONOR, SENECA HASELTON.

Office, No. 1 City Hall.

Residence, Van Ness House.

BOARD OF ALDERMEN.

President.

ELIAS LYMAN.

First Ward.

ELMER E. DAVIS, Residence, 243 Colchester Avenue.
Term expires April, 1893.

ORVIS S. STORRS, Residence, 415 Pearl Street.
Term expires April, 1892.

Second Ward.

EDWIN H. TRICK, * Residence, 58 First Street.
Term expires April, 1893.

JOSEPH E. PAINCHAUD, Residence, 13 Decatur Street.
Term expires April, 1892.

* Died Nov, 10, 1891.

Third Ward.

JOSEPH ROBERTS, Residence, 148 North Street.

Term expires April, 1893.

GEORGE B. RAND, Residence, 66 North Champlain Street.

Term expires April, 1892.

Fourth Ward.

GEORGE H. KINSLEY, Residence, 24 St. Paul Street.

Term expires April, 1893.

R. G. SEVERSON, Residence, 288 Main Street.

Term expires April, 1892.

Fifth Ward.

WILLIAM E. HALL, Residence, 204 So. Union Street.

Term expires April, 1893.

ELIAS LYMAN, Residence, 237 So. Willard Street.

Term expires April, 1892.

Clerk, *ex-officio*, CHARLES E. ALLEN.

Regular meetings of the Board, first Monday in each month,
at Nos. 1 and 2, City Hall.

Standing Committees

OF THE BOARD OF ALDERMEN.

On Water Department,

Aldermen Davis, Rand and Kinsley.

On Fire Department,

Aldermen Severson, Hall and Roberts.

On Street Department,

Aldermen Storrs, Trick and Hall.

On Accounts and Claims,

Aldermen Trick, Severson and Davis.

On Pauper Department,

Aldermen Painchaud, Roberts and Severson.

On Public Buildings and Parks,

Aldermen Hall, Kinsley and Trick.

On Printing and Publication,

Aldermen Rand, Davis and Painchaud.

On School and Library Affairs,

Aldermen Kinsley, Storrs and Rand.

On Health,

Aldermen Roberts, Painchaud and Storrs.

On Liquor Agency,

Aldermen Lyman, Kinsley and Hall.

The vacancies in the above committees occasioned by the death of Alderman Trick, were filled by the appointment of Alderman Rand, Hall and Storrs, respectively, in the order named.

ALDERMAN EDWIN H. TRICK,

Died November 10, 1891.

The following resolutions were unanimously adopted by the City Council at a meeting held November 11, 1891:

CITY OF BURLINGTON,

IN THE YEAR 1891.

Resolved by the City Council of the City of Burlington as follows:

THAT WHEREAS, It has pleased Almighty God to remove by death one of the members of this Board, therefore,

Resolved, That in the death of Edwin H. Trick, the City loses an efficient, valuable, and honest member of the City Government, and a liberal minded, loyal citizen.

Resolved, That we extend our sincere sympathy to the family of the deceased, in this, their sore bereavement.

Resolved, That this Board will attend the funeral of the deceased; that a copy of these resolutions be sent to his afflicted family, and recorded on the Journal of this Board.

CITY OFFICERS.

CITY CLERK,

CHARLES E. ALLEN.

Office, No. 2 City Hall. Residence, 142 University Place.

ASSISTANT CLERK,

GILBERT A. DOW, Residence, 226 Pearl Street.

CITY TREASURER,

GREENE D. WELLER.

Office, No. 4 City Hall. Residence, 164 Cherry Street.

CITY ATTORNEY,

A. G. WHITTEMORE.

Office, 163 Main Street. Residence, 102 Adams Street.

CONSTABLE AND COLLECTOR OF STATE AND COUNTY TAXES,

JOHN E. LAVELL.

Office, 158 Main Street. Residence, 207 No. Winooski Ave.

HEALTH OFFICER,

HIRAM A. CRANDALL, M. D.

Office, 152 Cherry Street. Residence, 154 Cherry Street.

ENGINEER AND SURVEYOR,

A. R. DOW, C. E.

Office, City Market Building. Residence, 234 Pearl Street.

GRAND JUROR,

JULIUS W. RUSSELL.

Office, 163 Main Street. Residence, 486 South Union Street.

OVERSEER OF POOR,

GEORGE A. RUMSEY, Residence, Chase Lane.
Office, 147 North Winooski Avenue.

TRUSTEE U. S. DEPOSIT FUND,

GREENE D. WELLER, Office, No. 4 City Hall.

FENCE VIEWERS.

CLEOPHAS LAPRESE,	Residence, Shelburne Road.
O. DEVARENNES,	Residence, 82 North Street.

SEALER OF WEIGHTS AND MEASURES.

THE CITY TREASURER, Office, No. 4 City Hall.

CITY WEIGHER AND WOOD MEASURER.

CHARLES P. SMITH, Office, 217 College Street.

POUND KEEPER.

WILLIAM FRANCIS, Convent Square.

CITY LIQUOR AGENT,

ETHELBERT SELDEN, Residence, 42 Church Street.
Office, No. 18 City Hall.

CITY PHYSICIAN,

ARSENE LETOURNEAU, M. D., Office, 148 North Street.

CHIEF OF POLICE.

JEROME DUMAS, Office, 162 Main Street, City Hall.
Residence, 192 Elmwood Avenue.

JANITOR OF CITY HALL,

G. D. WELLER, Office, No. 4 City Hall.

CEMETERY COMMISSIONERS,

- ELI POQUETTE, Residence, Lake View Cemetery.
Term expires 1894.
- JOHN A. ARTHUR, Chairman, Residence, North Avenue.
Term expires 1893.
- LUMAN A. DREW, Residence, 312 Maple Street.
Term expires 1892.

WATER COMMISSIONERS,

- ALEXANDER H. PARKER, Residence, 38 Battery Place.
Term expires 1894.
- J. W. GOODELL, Residence, 260 Maple Street.
Term expires 1893.
- FRANK H. PARKER, Chairman, Residence, 325 So. Union St.
Term expires 1892.

SUPERINTENDENT OF WATER WORKS,

- FRANK H. CRANDALL, Residence, 67 Elmwood Avenue.
Office, No. 14 City Hall.

ASSESSORS.

- EDWARD F. BROWNELL, Residence, 47 Hyde Street.
Term expires 1894.
- FRED JOHONNOTT, Residence, 236 So. Union Street.
Term expires 1893.
- EMORY C. MOWER, Chairman, Residence, 328 Pearl Street.
Office, 7 City Hall.
Term expires 1892.

AUDITORS.

MICAH H. STONE,	Residence, 25 Elmwood Avenue. <i>Term expires 1892.</i>
HEMAN R. WING,	Residence, 50 North Battery Street. <i>Term expires 1892.</i>
WALTER C. ISHAM,	Residence, 77 North Union Street. <i>Term expires 1892.</i>

STREET DEPARTMENT.

BOARD OF STREET COMMISSIONERS.

N. KING BROWN, Chairman,	Residence, 233 Pearl Street. <i>Term expires 1894.</i>
GEORGE W. BECKWITH,	Residence, 236 Main Street. <i>Term expires 1893.</i>
JOHN G. BACON,	Residence, 28 Cedar Street. <i>Term expires 1892.</i>

SUPERINTENDENT OF STREETS,

HERALD STEVENS,	Residence, 320 North Winooski Avenue. Office, City Market Building.
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FIRE DEPARTMENT.

CHIEF ENGINEER,

FRANK E. PERKINS,	Residence, 78 North Prospect Street.
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FIRST ASSISTANT,

JAMES E. BRADLEY,	Residence, 49 North Willard Street.
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SECOND ASSISTANT,

MOSES MURRAY,	Residence, 39 Allen Street.
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BOARD OF FIRE WARDENS.

WARD.

- I. E. HENRY NASH, Residence, 292 Colchester Avenue.
II. GEORGE W. LEE, Residence, 273 North Street.
III. PHILLIP RITCHIE, Residence, 129 North Champlain Street.
IV. WILLIAM E. WELLER, Residence, 164 Cherry Street.
V. CHARLES R. NASH, Chairman, Residence, 157 Pine Street.
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SCHOOL DEPARTMENT.

BOARD OF SCHOOL COMMISSIONERS.

- Ward 1. CHARLES E. ALLEN, Residence, 142 University Place.
Term expires April, 1892.
Ward 2. GEORGE W. WHITNEY,
Residence, 83 No. Winooski Ave.
Term expires April, 1893.
Ward 3. JOHN R. KELLEY, Residence, 124 No. Battery Street.
Term expires April, 1892.
Ward 4. ALBERT G. PEIRCE, Residence, 6 Church Street.
Term expires April, 1893.
Ward 5. WM. H. LANE, Jr., Residence, 192 S. Union Street.
Term expires April, 1893.

CLERK OF BOARD,

CHARLES E. ALLEN, Office, No. 2 City Hall.

Regular meetings first Friday of each month, at 7.30 P. M., at
the office of Superintendent of Schools.

SUPERINTENDENT OF SCHOOLS,

HENRY O. WHEELER, Residence, 335 South Union Street.
Office in Fletcher Library Building, Church Street.

TERMS OF OFFICE.

The term of office of the Mayor and Aldermen commences the first Monday of April; of the School Commissioners, the first day of April.

CEMETERY AND WATER COMMISSIONERS.—One elected in April each year for a term of three years, from April 25th, next following their election.

STREET COMMISSIONERS.—One elected in April each year, for a term of three years from May 1st, following his election, and until his successor is elected.

CITY ASSESSORS.—One elected in March each year, for a term of three years from April 1st, following his election, and until his successor is elected and qualified. All others of the foregoing named officers, one year from April 25, 1891.

FLETCHER FREE LIBRARY.

TRUSTEES FLETCHER FREE LIBRARY.

His Honor, THE MAYOR—*ex-officio*.

MATTHEW H. BUCKHAM,	Residence, 28 University Place.
LOAMI G. WARE,*	Residence, 43 William Street.
J. ISHAM BLISS,	Residence, 108 Bank Street.
EDWARD J. PHELPS,	Residence, 251 So. Willard Street.
SAMUEL HUNTINGTON,	Residence, 77 No. Winooski Ave.

* Died April 10, 1891.

Secretary of the Board, Rev. J. I. Bliss.

LIBRARIAN,

MISS SARAH C. HAGAR, Residence, 323 College Street.

ASSISTANT LIBRARIAN,

MISS LIZZIE R. MOORE, Residence, 152 No. Prospect St.

SECOND ASSISTANT,

EDWIN H. CHASE, Residence, 58 Front Street.

CITY COURT.

JUDGE,

HAMILTON S. PECK.

Office, No. 156 College Street. Residence, 406 So. Union St.

CLERK,

ELMER E. DAVIS.

Office, No. 8 City Hall. Residence, 243 Colchester Ave.

WARD OFFICERS.

WARD ONE.

Clerk—P. B. Keeler.

Inspectors of Elections—Wesley C. Weller, Frank E. Perkins, Patrick Foley.

WARD TWO.

Clerk—Henry Greene.

Inspectors of Elections—John Roby, Heman Crooker, Jr., W. H. Drew.

WARD THREE.

Clerk—William J. Murphy.

Inspectors of Elections—C. Henry Clark, John G. Bacon, Peter Mar-
engo, Jr.

WARD FOUR.


Clerk—William E. Weller.

Inspectors of Elections—C. B. Gray, A. R. Lemon, F. S. Pease.

WARD FIVE.

Clerk—W. W. Weaver.

Inspectors of Elections—D. C. Barber, J. S. Denning, L. A. Drew.

 Election of City officers, first Tuesday in March, in each year.

Party Organizations.

CITY COMMITTEE.

REPUBLICAN.

H. E. Woodbury,
Henry Greene,
John G. Bacon,
Eli B. Johnson,
Loomis J. Smith.

DEMOCRATIC.

John H. Byrnes.
John Lavell.
Geo. B. Rand.
W. H. Hare.
E. M. Sutton.

WARD COMMITTEES.

H. E. Sibley, George W. Keeler, J. H. Chambers.	}	Ward I.	{	L. E. Ryder, Louis Ploof, J. J. McLaughlin.
Napoleon Laury, J. E. P. Wright, L. A. Dion.	}	Ward II.	{	C. H. Cota. N. B. Shortsleeves, F. A. Dougherty.
W. H. Lang, D. R. Peterson, G. P. Tuttle.	}	Ward III.	{	M. Callahan, F. X. Benoit, J. Q. A. Ganey.
W. S. Vincent, Frank Brown, M. C. Powers.	}	Ward IV.	{	P. H. Fitzsimmons, M. E. Moore, Thos. Morrison.
J. W. Russell, H. R. Conger, Jos. Robinson.	}	Ward V.	{	J. J. Enright, T. W. Daley, J. E. Colbath.

Mayor's Message.

DELIVERED BEFORE THE CITY COUNCIL, APRIL 6TH, 1891.

To the Honorable Board of Aldermen :

GENTLEMEN : Conformably to a provision of our city charter, as interpreted by uniform usage, I submit to you at this time some considerations touching our municipal affairs :

THE FUNDED DEBT.

The net bonded debt of the city has for the last two years been undergoing reduction at the rate of between \$10,000 and \$11,000 a year. About half of the sum applied in reduction of the debt has come from the income of the sinking fund, and about half from the annual sinking fund tax of five per cent. The rate of reduction has been as great as is requisite to a healthy financial condition and soundness of credit, but as currency has been given to the theory that the debt has been reduced much more rapidly than has been the case, it is desirable that the exact facts be understood.

On the first of January, 1889, the gross bonded debt of the city was \$426,500. At the same time the amount of the sinking fund was \$109,100, the net bonded debt being \$317,400.

During the year 1889 the sinking fund was increased, from the sources above indicated, to the sum of \$119,690.55. January 1, 1890, water bonds of the amount of \$16,500 became due and were paid out of the sinking fund. The gross bonded debt of the city then stood at \$410,000, the sinking fund at \$103,190.55, and the net bonded debt at \$306,809.45. Thus the reduction in the net bonded debt for the year 1889 was \$10,590.55.

During the year 1890 the sinking fund was swelled to \$113,995.05, and on the first of January, 1891, water bonds of the amount of \$25,000 matured and were paid in part out of money belonging to the sinking fund, and in part out of the general funds of the city, a temporary loan being negotiated to provide the requisite money. The gross bonded debt of the city was thus reduced to \$385,000. Since the payment of this block of water bonds the amount of the sinking fund has, for purposes of comparison, been stated at \$113,995.05 as before. This, however, is incorrect, as part of the money to pay the last named bonds was made a charge upon the sinking fund by express resolution of the council, and the balance must be charged upon the sinking fund in like manner unless, which is improbable, it is thought best to make a new issue of bonds or to raise the requisite amount by a future tax.

When the appropriate charges have been directed to be made upon the sinking fund the amount of that fund will stand at \$88,995.05, the net bonded debt of the city at \$296,004.95, and the real reduction of the debt for the year 1890 will be seen to have been \$10,804. For the purpose of comparison with past or future statements, \$296,004.95 and not \$271,005, should be taken as the present amount of the net bonded debt.

In addition to the bonded debt of the city there are outstanding reservoir notes, so-called, of the amount of \$20,000. The net funded debt of the city is therefore \$316,004.95.

MATURING BONDS.

Water bonds of the amount of \$25,000 will mature July 1, and thereafter no bonds will mature until 1893. Whether the bonds to mature this summer shall be retired by the issue of new bonds of like amount, or whether they shall be paid out of the sinking fund, is a question which you must shortly consider.

THE SINKING FUND.

Some misapprehension has at times been caused by taking the amount of the sinking fund investment for the amount of the sinking fund itself. It is of course impracticable that the two should exactly coincide in amount. For a time some part of the sinking fund will remain uninvested and mingled with the general funds of the city, and then the sinking fund consists of the sinking fund investment plus the amount of uninvested funds belonging to it and constituting, while mingled with the general funds of the city, what it is customary to call a loan to the city. Again, an investment will present itself which it is impossible for the sinking fund to take without an advance or loan from the general fund of the city. When an investment has been made under such circumstances the amount of the sinking fund is the total amount of the sinking fund investment less the amount of such advance or loan. At the present time, while the amount of the sinking fund, with the appropriate charges made, and without reference to any accretions of the current year, is \$88,995.05, the securities in the sinking fund investment amount to \$106,100, and the difference between these two sums, \$17,104.95, is the amount which the sinking fund owes to the city. The policy of making a considerable annual addition to the sinking fund is a wise one, and I would recommend that the usual five per cent sinking fund tax be levied this year. I would also recommend that the premium realized on the recent sale of refunding bonds be carried to the sinking fund. The amount is small, but to use money derived in this way for current expenses might establish a vicious precedent.

THE FLOATING DEBT.

The floating debt of the city at the beginning of the current year consisted of a temporary loan of \$12,000, which the available net assets of the city were more than sufficient to meet,

if the cost of retiring the block of water bonds which matured January 1 is treated as a charge upon the sinking fund; and not otherwise. Temporary loans have since been made as is customary in the earlier portion of the year, to provide a working fund for current expenses, and by way of anticipation of the fund to be derived from the city tax for the year. It is believed that the unaudited accounts and unadjusted claims remaining over from last year are few and comparatively trifling.

TRUST FUNDS.

The city holds in trust on account of the Elmwood avenue cemetery, a fund derived from the Pomeroy estate which amounts to \$12,465, and which yielded during 1890 an income of \$958.22. The trust funds held on account of the Lake View cemetery, amount to \$6,425, and yielded an income in 1890 of \$342.63. These funds are kept distinct from the general funds of the city conformably to law. The Louisa Howard firemen's fund of \$500 is securely invested, and its income is applied in accordance with the conditions on which it was received. The situation of the United States deposit money and of the small Rathburn fund need not be detailed. It may here be noted that the figures of the recent census entitle Burlington to receive from the State treasurer several thousand dollars more of the United States deposit.

TAXATION.

In the Mayor's recent estimates the amount due from the sinking fund is placed at \$22,000, the sum of \$25,000 being charged to that fund and \$3,000 credited to the same. Through an error which inadvertently found its way into these estimates, the amount due from the sinking fund is made to appear about \$5,000 larger than it really is. This error must be taken into account in determining the amount to be raised by the city tax.

The rate of taxation must, of course, depend largely upon the size of the grand list, but it is without doubt true that an understood determination on the part of the Board to avoid extraordinary expenditures and so keep the rate of taxation low, will greatly assist the listers in securing a full return of taxable property. Moreover, such a determination will, if carried out, give a considerable impetus to the various movements looking to the investment of capital in business enterprises of a local character.

THE STREET DEPARTMENT.

A new stage in the management of our street department has been reached, in consequence of the amendment to our charter, which confers the immediate control of streets and sewers, upon a board of street commissioners, the members of which shall not be members of the Board of Aldermen. Suggestions as to future work in this department may be expected to come from the commissioners to be chosen. As the change in the control of the department takes place, the municipality will do well to recall the services of the various street committees of the Board of Aldermen, who as street commissioners, have without compensation, devoted a vast amount of time and attention to our streets and sewers.

THE WATER DEPARTMENT.

A conservative policy should continue to characterize the management of the City's Water Works, the estimated value of which is \$400,000. Proposed changes should be scrutinized with the same care which has been bestowed by the commissioners upon the question of a gravity supply.

The amount of water pumped during the year 1890 was greater than ever before. This amount, about 50 gallons per capita daily, although gratifying as an evidence of advancing civilization, suggests the near approach of a time when at cer-

tain seasons of the year the capacity of our pumps will be insufficient.

THE FIRE DEPARTMENT.

The fire department is well organized and efficient. The fire which recently consumed the Cotton Mill, progressed with such rapidity, owing to the material upon which it fed, as to render the loss of the building and its contents inevitable. As to the needs of the department attention is directed to the report of the Chief Engineer. Liberality should characterize the policy of the City toward the defenders of its property.

THE POLICE DEPARTMENT.

Adequate protection to persons and property can hardly be afforded without two policemen on Church street and in its vicinity, throughout each night, two policemen north of Pearl street, and one in the western and southern parts of the city for at least half the night, and one day policeman, either the chief or some other member of the force. The best results for the money expended are got by having the same policemen on duty every other night only, so that a force of 10 or 12 regular policemen is no more than sufficient. It ought to be understood that the all-night policemen are to give substantially the whole of their time and energies to business of an official character.

The duty of restraining lawlessness and preventing crime is as important as that of securing the arrest and punishment of offenders. Both duties should be fearlessly and impartially performed, and to this end it should be expected that policemen will not in a social way frequent places in which the law is understood to be habitually violated. Otherwise their official action is likely to be hesitating and ineffective. Acts of rudeness and wantonness on the public streets, particularly at night, should be noticed and restrained by the police, since they lead by easy degrees to demoralization and crime. Official action or inaction

with a view to political results is intolerable, as it begets an utter disrespect for law. As well may a fireman stop to consider the politics of a citizen whose property is in danger, as a policeman be guided in his official course by political considerations.

The duties of policemen are, however, difficult and many times dangerous and their compensation is small, and they ought not therefore to be subjected to strained and visionary criticism.

The charter has wisely provided that appointments to the police force shall be made subject to your confirmation, and it will be your duty to say whether the appointments, submitted for your approval, are of men who may reasonably be expected to meet the requirements of the position for which they are named.

SCHOOLS.

Care should be taken that nothing be done to the detriment of our schools, the excellence of which is widely recognized and is a matter of just pride at home. Our community is unanimous in the desire to have illiteracy unknown among the younger generation, and to this end would generally welcome some extension of evening school instruction. With our private, parochial and public schools, it ought to be practically impossible for any one to grow up in the community in ignorance of reading and writing. The estimates of the finance committee of the board of school commissioners show the amount of money needed to be raised for school purposes. The amount to be returned to Burlington out of the fund provided by the State school tax is a matter of uncertainty, but it will be small, probably not more than one-fourth of the amount which the city will contribute to the fund. Whatever the amount may be it can be carried forward into another year to the credit of the department, if it is not needed for current expenses.

THE FREE LIBRARY.

The great usefulness of the Fletcher Library is now seldom questioned. Its book fund has been invested from time to time

with great discrimination, and its circulation of books has increased from 20,173 in 1884 to 45,828 in 1890. The library is believed to have at least one reader in a great majority of the households of the city, and appropriations calculated to preserve and extend the facilities for its use will confer a general benefit.

CONCLUSION.

I shall not weary you, gentlemen, by attempting to review all the various interests of the city which are committed to our charge. In dealing with them the temptation will frequently present itself to sacrifice fairness, efficiency and economy, to considerations of partisanship and favoritism. Such considerations should be swept aside by the reflection that the city confides in our fidelity to her. In the use of the city's money, it is to be remembered that, in accordance with a familiar principle of our State Institution, taxation is justifiable only so far as the funds raised by it are used in such a manner as "To be of more service to the community than the money would be if not collected." It is ever to be borne in mind that it is the wisdom of expenditures rather than the lavishness of appropriations that determines whether or not there shall be secured to the people the comforts and advantages which the municipal government is designed to bestow.

SENECA HASELTON, Mayor.

TWENTY-FOURTH ANNUAL REPORT
OF THE
Superintendent of Schools,
JANUARY 1, 1891, TO JANUARY 1, 1892.
———
DEPARTMENT OF PUBLIC SCHOOLS.
———

BOARD OF SCHOOL COMMISSIONERS.

PRESIDENT,
HENRY O. WHEELER, Superintendent.

CLERK,
CHARLES E. ALLEN.
———

WARD ONE,
CHARLES E. ALLEN.
Term expires April 1st, 1892.

WARD TWO,
GEORGE W. WHITNEY.
Term expires April 1st, 1893.

WARD THREE,
JOHN R. KELLEY.
Term expires April 1st, 1892.

WARD FOUR,

ALBERT G. PEIRCE.

Term expires April 1st, 1893.

WARD FIVE,

WILLIAM H. LANE, JR.

Term expires April 1st, 1893.

TRUANT OFFICER,

OLIVER LAMORA.

STANDING COMMITTEES.

On School Houses and School Property,

Superintendent WHEELER,

Commissioners KELLY and PEIRCE.

On School Instruction, Text-Books and Teachers,

Superintendent WHEELER,

Commissioners LANE, ALLEN and WHITNEY.

On Finance and Accounts,

Superintendent WHEELER,

Commissioners ALLEN, PEIRCE and KELLEY.

On Rules and Regulations,

Superintendent WHEELER,

Commissioners WHITNEY and LANE.

Regular Meetings of the Board,

First Friday in each month, at 7.30 P. M., at the Superintendent's office in the Fletcher Free Library Building.

Superintendent's office hours from 4:15 to 5:15 P. M., school days.

ROLL OF TEACHERS.

WINTER TERM, 1892.

High Schools.

Principal—Sealand W. Landon, A. M.
First Assistant—Elizabeth M. Benedict.
Second Assistant—Effie Moore, A. B.
Third Assistant—Eliza C. Isham, Ph. B.
Teacher of French—Annie T. Smith.

Grammar Schools.

Principal—Mary E. Wells.
First Assistant—Minerva A. Laing.
Second Assistant—Margaret E. Chestnut.

Main Street Grammar, No. 1.

Teacher—Mrs. Ellen H. Vilas.

Main Street Grammar, No. 2.

Teacher—Kate E. Lowry.

Pine Street Intermediate.

Principal—Sarah A. Martin, A. B.
First Assistant—Lillian A. Coyne.
Second Assistant—Annis L. Isham, A. B.

Pomeroy Intermediate.

Principal—Emma J. Chapman.
First Assistant—Clara M. Lawrence.
Second Assistant—Lillian C. Graves.

Adams Intermediate.

Principal—Ada D. Bartlett.
First Assistant—Retta L. Ellis.
Second Assistant—Lucy A. Baker.

North and Murray Streets Intermediate.

Teacher—Cora B. Drew.

Pine Street Primary.

Principal—Jessie Griswold.

First Assistant—Mary A. Farrell.

Second Assistant—Winnie M. Collins.

Pomeroy Primary.

Principal—Mary E. Kelton.

First Assistant—Clara Atwater.

Second Assistant—Della L. Calvert.

Adams Primary.

Principal—Mrs. Mary B. Mayo.

First Assistant—Laura M. Ryan.

Second Assistant—Lucia M. Andrews.

North and Murray Streets Primary.

Principal—Frances E. Messenger.

First Assistant—Josephine M. Arcand.

Second Assistant—Elizabeth Morrison.

Archibald Street Primary.

Principal—Mrs. Lois J. Malaney.

First Assistant—Mrs. Kate P. Baker.

Second Assistant—Emma C. Lanou.

Main Street Primary.

Teacher—Annie A. Smith.

Falls School.

Principal—Mary E. Fuller.

Assistant—Alice C. Hall.

North Avenue.

Teacher—Harriet B. Northrop.

Cherry Street Ungraded Day School, No. 1.

Teacher—Maria B. Harty.

Cherry Street Ungraded Day School, No. 2.

Teacher—Jesse A. Chase.

Cherry Street Evening School.

Teacher—John A. Goodrich.

Falls Evening School.

Teacher—Ralph A. Stewart.

Teacher of Vocal Music—Alvin C. Saunders.

Supervisor of Drawing—Mary E. Wells.

PUPIL TEACHERS.

Aida P. Skeeles,
Nellie Ayling,
Maude M. Weeks.

“Possumus Quia Posse Videmur.”

GRADUATING EXERCISES, CLASS OF '91,
BURLINGTON HIGH SCHOOL,

HOWARD OPERA HOUSE, FRIDAY, June 19th, at 2 P. M.

PROGRAMME.

<i>Festival Hymn</i> —Orchestra and School.....	<i>Dudley Buck.</i>
Civil Service Reform.....	A. Cassius Wheeler.
The Love of Nature.....	Nellie Ayling.
Concentration the Secret of Power... ..	Frank Edward Hopkins.
True Reverence.....	Bertha L. Ferrin.
<i>The Vale of Love</i>	<i>Blancheteau.</i>
Lake Champlain in American History.....	Frances Lillian Hobart.
The Historic Importance of the Battle of Bennington,	
	Alverne Percy Lowell.
A Century of Honor.....	Jennie E. Macomber.
The Future of Vermont.....	Fred Williams Whitcomb.
<i>Holland National Hymn</i>	<i>Willms.</i>
The Art of Conversation.....	Maude M. Weeks.
Folk-Life in Sweden.....	Karl Augustus Andrén.
“The Little Red School House”.....	Luella A. Reade.
The Influence of a Noble Life... ..	Merrill Marquand Hutchinson.
<i>Twilight</i> (Trio for Female Voices.).....	<i>Abt.</i>

PRESENTATION OF DIPLOMAS.

AWARDING OF PRIZES.

The Harp That Once Through Tara's Hall,

Orchestra and School.

GRADUATES,

English Course.

Karl Augustus Andr��n,	William Wallace Murray,
A. Cassius Booth,	Luna Adelia Rumsey,
Colie E. Foster,	Fanny Laura Shaw,
Fanny Dickson Grinnell,	Hattie M. Stevens,
Frances Lillian Hobart,	Sarah E. Thompson,
Walter Orin Lane,	Charlotte C. Williams,
Jennie E. Macomber,	May Elizabeth Witherell.

Latin-English Course.

Nellie Ayling,	William Edward Platt,
Charles A. Cramton,	Luella A. Reade,
Bertha L. Ferrin,	Agnes M. Walker,
Charlotte Williams Graves,	Harry Abel Way,
Nelle Willard Hickok,	Bernice M. Sibley,
Frank Edward Hopkins,	Maude M. Weeks,
Mattie N. Johonnott,	Fred Williams Whitcomb.
Alverne Percy Lowell,	

Classical Course.

Marion Shaler Allen,	Edward A. Maynard,
Clayton G. Andrews,	M. Marquand Hutchinson,
Gertrude L. Atwood,	Eva A. Jones,
J. Hannibal Holden,	Charles Nott,
Theo. E. Hopkins,	A. Cassius Wheeler.

CLASS DAY EXERCISES.

HIGH SCHOOL HALL, THURSDAY, JUNE 18, AT 8 P. M.

PROGRAMME.

<i>Music</i>	Orchestra.
Class History	Mattie N. Johonnott.
Poem	William E. Platt.
<i>Music</i>	School.
Oration	Charles A. Cramton.
Prophecy	Clayton G. Andrews.
President's Address	Edward A. Maynard.
<i>Music—America</i>	Orchestra and School.

CLASS OFFICERS.

President	Edward A. Maynard.
Vice-President	Charlotte Williams Graves.
Secretary	Harry Abel Way.
Treasurer	Bertha L. Ferrin.
Marshal	William Edward Platt.

PERMANENT ORGANIZATION.

President	Fred Williams Whitcomb.
Vice-President	Bertha L. Ferrin.
Secretary	Nelle Willard Hickok.
Treasurer	J. Hannibal Holden.

REPORT

OF THE

Superintendent of Public Schools.

To the Honorable the City Council:

GENTLEMEN :—In compliance with the requirements of the City Charter, I have the honor to present the report for the Department of Public Schools, (the twenty-fourth to the City Council, and my twelfth,) for the year 1891 :

FINANCIAL STATEMENT.

RECEIPTS.

Balance January 1, 1891.....	\$ 1,717 86
City taxes.....	27,000 00
Interest on U. S. Deposit Fund.....	1,372 94
“ “ Huntington Fund.....	559 99
“ “ Bonds.....	84 00
Rent of School Lands.....	150 96
Tuition from non-resident pupils.....	1,120 00
Sundries	38 10
State Treasurer—State tax.....	624 39
Total	\$32,668 24

DISBURSEMENTS.

Teachers' salaries.....	\$20,079 02
Superintendent's salary.....	1,000 00
Janitor's and cleaning.....	1,713 18
Repairs	2,478 28
Fuel	1,692 20
Incidentals	971 72
Supplies.....	727 37
Furniture	575 83
School census.....	125 00
Water rates.....	208 87
Insurance	197 33
Interest on temporary loans.....	251 00
Truant officer.....	204 00
Total	<u>\$30,223 80</u>

RECAPITULATION.

Total receipts.....	\$32,668 24
Total disbursements.....	\$30,223 80
Balance on hand.....	<u>2,444 44</u> \$32,668 24

In behalf of the Finance Committee I submit the following estimates for 1892:

RECEIPTS.

Balance from 1891.....	\$ 2,444 44
Taxes	26,000 00
Interest on U. S. Deposit Fund.....	1,372 94
" " Huntington Fund.....	400 00
" " Bonds	84 00
Rent from leased land.....	125 00
Tuition from non-resident pupils.....	600 00
State tax.....	<u>1,000 00</u>
Total	\$32,026 38

DISBURSEMENTS.

Teachers' salaries.....	\$20,500 00
Superintendent's salary.....	1,000 00
Janitors and cleaning.....	1,800 00
Repairs.....	2,500 00
Fuel.....	2,000 00
Apparatus, maps and charts.....	200 00
Incidentals.....	1,500 00
Supplies.....	600 00
Furniture.....	800 00
School census.....	125 00
Water rates.....	251 38
Insurance.....	250 00
Interest on temporary loans.....	300 00
Truant officer.....	200 00
Total.....	<u>\$32,026 38</u>

STATISTICS.

The following tables exhibit the condition of our schools, by terms, in respect to enrollment, attendance, regularity, punctuality, etc., and a comparison with the important items in the statistics for the preceding year.

WINTER TERM, 1891.

Schools.	Number Enrolled.	Average Daily Attendance.	Attendance Per Cent.	Number of Days in Term.	Av. No. Days Attendance.	Tardiness.	Dismissals.	Scholars, no Absences.	Number Visits Received.
High School.....	213	185	87	60	52	17	21	36	25
Grammar School.....	141	125	89	60	54	12	75	27	26
Main St. Grammar No. 1..	44	39	89	60	54		2	8	9
Main St. Grammar No. 2..	45	40	89	60	53	13	4		6
Pine St. Intermediate.....	90	78	87	55	48	10	5	8	33
Pomeroy Intermediate.....	90	79	88	55	49	5	7	15	52
Adams Intermediate.....	83	73	88	55	49	15	7	10	39
North & Murray Streets Intermediate.....	47	40	85	55	47	6	7	6	7
Pine St. Primary.....	101	80	79	55	42	29	12	4	43
Pomeroy Primary.....	120	102	85	55	47	16	4	18	81
Adams Primary.....	82	72	88	55	48	18	1	16	24
North & Murray Streets Primary.....	136	113	83	55	46	30	5	9	8
Archibald Street Primary..	111	90	81	55	45	24	9	10	30
Main Street Primary.....	31	27	87	54	45	1	2	6	27
Falls School.....	75	63	84	54	45	7	3	6	15
North Avenue.....	17	16	94	55	50	17		1	5
Cherry Street Day.....	50	35	70	51	35	54		3	7
Cherry Street Evening....	41	16	39	55	21				6
Falls Evening.....	17	6	35	56	20		1		6
Totals	1534	1279	83	1060	850	274	165	183	449

SPRING TERM, 1891.

Schools.	Number Enrolled.	Average Daily Attendance		Attendance Per Cent.	Number of Days in Term.	Av. No. Days Attendance.	Tardiness.	Dismissals.	Scholars with no Absences.	Number Visits Received.
High School.....	192	176	92	55	50	14	22	63	12	
Grammar School.....	128	118	92	55	51	28	91	47	9	
Main St. Grammar, No. 1..	42	38	90	55	50	3	1	11	6	
Main St. Grammar, No. 2..	42	38	90	55	44	10	3	5	3	
Pine St. Intermediate.....	78	67	83	50	43	5	6	17	28	
Pomeroy Intermediate.....	92	85	92	50	47	2	6	25	20	
Adams Intermediate.....	73	65	89	50	43	13	7	10	5	
North and Murray Streets Intermediate	45	38	84	50	42	5	3	7	11	
Pine Street Primary.....	98	88	90	50	41	35	17	15	58	
Pomeroy Primary.....	127	114	90	50	45	15	2	31	34	
Adams Primary.....	92	80	87	50	44	6	3	20	97	
North and Murray Streets Primary.....	141	122	87	50	43	33	17	17	8	
Archibald Street Primary..	120	107	89	49	42	32	8	25	10	
Main Street Primary.....	38	31	82	48½	40	1	4	2	31	
Falls School.....	75	63	84	50	41	7	3	8	8	
North Avenue.....	24	23	96	49	45	13		1		
Cherry Street Day.....	72	53	74	48½	36	54	24	1	5	
Cherry Street Evening....	30	14	47	30	14					
Totals.....	1509	1320	87	895	761	276	217	305	345	

FALL TERM, 1891.

Schools.	Grades.	Number Enrolled.	Av. Daily Attendance.	Attendance Per Cent.	No. of Days in Term.	Average Number of Days Attendance.	Tardiness.	Dismissals.	Scholars, no Absences.	Number Visits Rec'd.
High Schools.....	Grade A	36	34	94	73	69	6	1	8	31
	Grade B	45	42	93	73	69	4	8	15	
	Grade C	64	59	92	73	68	19	12	15	
	Grade D	89	79	89	73	65	21	22	21	
	Specials	13	9	69	73	53			3	
Grammar Schools.....	Grade A ¹	36	32	89	72	63	4	9	11	15
	Grade A ²	35	33	94	72	68	7	7	2	
	Grade B	80	73	91	72	66	16	25	18	
Main St. Grammar.....	No. 1.....	50	45	90	73	66	2	28	8	9
Main St. Grammar.....	No. 2.....	52	45	87	73	64	16	11	7	
Pine St. Intermediate.....	Grade A	43	38	88	73	65	3	2	12	10
	Grade B	42	37	88	73	64	10	6	4	
	Grade C	27	24	89	73	65	5	6	4	
Pomeroy Intermediate.....	Grade A	26	23	88	72	62		3	4	10
	Grade B	35	32	91	72	65		4	5	
	Grade C	36	31	86	72	59	3	4	3	
Adams Intermediate.....	Grade A	27	24	89	73	65	2	2	6	10
	Grade B	31	27	87	73	63	2	8	5	
	Grade C	35	29	83	73	60	7	3	2	
North and Murray Streets Intermediate.....	Grade C	51	44	86	73	63	10	4	6	15
Pine Street Primary.....	Grade A	73	54	74	73	54	13	2	3	
	Grade B	28	24	86	73	62	14	4	4	
	Grade C	26	23	88	73	65	6	3	6	
Pomeroy Primary.....	Grade A	33	26	79	73	58	8	4	4	
	Grade B	28	25	89	73	63	8	1	3	
	Grade C	72	60	83	73	61	16	5	8	52
Adams Primary.....	Grade A	26	24	92	73	68	16	1	6	
	Grade B	32	28	88	73	63	10	1	3	
	Grade C	48	35	73	73	54	2	1	1	
North and Murray Streets Primary.....	Grade A	28	25	89	73	65	15	24	2	
	Grade B	36	32	89	73	65	9	8	4	
	Grade C	70	56	80	73	59	19	11	4	9
Archibald Street Primary.....	Grade A	57	51	89	73	65	13	5	13	
	Grade B	38	31	82	73	59	12	4	7	
	Grade C	44	35	80	73	58	14	2	12	24
Main Street Primary.....		38	32	84	73	59	8	1	2	
Falls Intermediate.....		29	24	83	73	61	5	12	3	
Falls Primary.....		56	45	80	72	58	6	2	5	23
North Avenue.....		26	24	92	71	66	12	11	5	
Cherry Street No. 1.....		33	25	76	73	54	13	6	2	
Cherry Street No. 2.....		35	26	74	72	53	42		1	3
Cherry Street Evening.....		26	14	54	21	11				
Falls Evening.....		30	20	67	22	15		2	1	
Totals.....		1765	1499	85	3026	2578	398	268	248	408

COMPARISON WITH STATISTICS OF 1890.

	WINTER TERM.				SPRING TERM.				FALL TERM.			
	Number enrolled.	Average daily attendance.	Attendance per cent.	Number of Scholars with no absences.	Number enrolled.	Average daily Attendance.	Attendance per cent.	Number of Scholars with no absences.	Number enrolled.	Average daily attendance.	Attendance per cent.	Number of Scholars with no absences.
Totals in 1891	1,534	1,279	83	183	1,509	1,320	87	305	1,765	1,499	85	248
Totals in 1890	1,430	1,153	81	99	1,401	1,188	85	212	1,580	1,322	84	207
Losses in 1891	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Gains in 1891	104	126	2	84	108	132	2	93	185	177	1	41

REPORT

OF

CHARLES E. ALLEN, City Clerk,

TO THE STATE SUPERINTENDENT.

1. How many organized School districts in town ? City System.....	1
2. How many common schools in town ?..... Including High School	19
3. How many terms of common school in town ?.. Including 3 High School terms	56
4. What was the aggregate number of days of school for all the schools in town ?.....	3225
5. How many schools of 24 weeks, in your town ?	17
6. How many of 30 weeks ?.....	17
7. How many of 32 weeks ?.....	17
8. How many scholars attended a school of 24 weeks ?.....	1731
9. How many attended a school of 30 or more weeks ?	1731
10. How many children between 5 and 18 years of age in your town ?.....	3598
11. Number of boys ?.....	1823
12. Number of girls ?.....	1775

13.	Number of children between 5 and 6 years of age?	323
	“ “ “ 6 and 7 years of age ?	279
	“ “ “ 7 and 8 years of age ?	294
	“ “ “ 8 and 9 years of age ?	258
	“ “ “ 9 and 10 yrs. of age ?	311
	“ “ “ 10 and 11 yrs. of age ?	272
	“ “ “ 11 and 12 yrs. of age ?	244
	“ “ “ 12 and 13 yrs. of age ?	293
	“ “ “ 13 and 14 yrs. of age ?	245
	“ “ “ 14 and 15 yrs. of age ?	278
	“ “ “ 15 and 16 yrs. of age ?	279
	“ “ “ 16 and 17 yrs. of age ?	270
	“ “ “ 17 and 18 yrs. of age ?	252
14.	How many scholars between 5 and 18 years of age, <i>exclusive of those who had been registered in some other public school, have attended school in your town ?</i> -----	1841
15.	Number of boys ?-----	1011
16.	Number of girls ?-----	830
17.	Number of scholars between 5 and 6 years of age ?	145
	“ “ “ 6 and 7 years of age ?	168
	“ “ “ 7 and 8 years of age ?	147
	“ “ “ 8 and 9 years of age ?	159
	“ “ “ 9 and 10 years of age ?	174
	“ “ “ 10 and 11 years of age ?	159
	“ “ “ 11 and 12 years of age ?	139
	“ “ “ 12 and 13 years of age ?	156
	“ “ “ 13 and 14 years of age ?	167
	“ “ “ 14 and 15 years of age ?	152
	“ “ “ 15 and 16 years of age ?	124
	“ “ “ 16 and 17 years of age ?	90
	“ “ “ 17 and 18 years of age ?	61
	“ “ “ Over 18 years of age ?	43

18.	What was the aggregate total attendance of scholars between the ages of 5 and 18 years ?...	225,872
19.	How many different scholars between the ages of 5 and 18 attended the common schools, including High school ?.....	1,841
20.	How many scholars attended private schools, including parochial ?.....	1,523
21.	What was the whole number of different scholars attending public and private schools ?....	3,364
22.	How many schools had not more than <i>six</i> scholars ?.....	None.
23.	How many schools had more than <i>six</i> and not more than <i>twelve</i> scholars ?.....	None.
24.	What amount was raised by town taxes for school purposes ?.....	\$ 27,000 00
25.	What amount was raised by district taxes ?....	
26.	What amount was received from rent of lands ?..	124 61
27.	Amount received from other sources ?.....	2,748 77
28.	What was the amount paid for teachers' wages, including board, for the year ?.....	19,326 47
29.	What was the cost of fuel for the year ?.....	1,694 86
30.	What was the cost of repairs for the year ?....	1,338 71
31.	What amount was paid for new buildings ?....	
32.	What amount was paid for incidentals ?.....	5,673 81
33.	What amount was paid for new furniture ?....	121 67
34.	What was the whole amount expended for school purposes. (Sum of answers to last six questions) ?.....	28,155 52
35.	What was the aggregate number of weeks of school for all the schools in town ?.....	656
36.	What was the average number of weeks of school in the year for all the schools in town ?.....	34.5
37.	Give the average wages, including board per week, of male teachers ?.....	\$ 21 91

38. Give the average wages, including board per week, of female teachers.....	11	25
39. How many different male teachers were employed?.....		4
40. How many different female teachers were employed?.....		42
41. How many teachers attended a Vermont Normal School?.....		5
42. How many were graduates of a Normal School?.....		16
43. How many visits were made by the City Superintendent?.....		130
44. How many visits were made by the School Commissioners?.....		29
45. How many school houses in town need no repairs?.....		
46. How many districts had not more than twenty-four weeks of school during the year?.....		
47. What is the amount of income, if any, from <i>grammar-school</i> lands in your town?.....		
48. How is said income disposed of?.....		
49. At what institution did the several teachers teaching in your town, receive instruction the last year they attended school?.....		
50. How many schools have a library? Number of volumes?.....		
51. How many have books of reference. How many volumes?.....	All.	300
52. How many have charts and globes?.....	All.	
53. What is the estimated value of your school houses?.....	\$	81,000
54. What is the estimated number of pupils attending academies, seminaries and other private schools, not including those in Parochial Schools?.....		143

55.	How many pupils in Parochial Schools?.....	1,380
56.	What was the average rate per cent of district taxes for school purposes?.....	25%
57.	What was the average rate per cent where schools were taught 24 weeks?.....	25%
58.	What was the average rate per cent where schools were taught 30 or more weeks?.....	25%
59.	What is the lowest rate of district taxes?.....	25%
60.	What is the highest rate of district taxes?.....	25%
61.	Is there a public library in your town? Yes. How many volumes.....	26,650
62.	How many teachers have been retained two terms in the same school?.....	46
	How many teachers have been retained three terms in the same school?.....	40
	How many teachers have been retained four terms in the same school?.....	35
	How many teachers have been retained five terms in the same school?.....	34
	How many teachers have been retained six terms in the same school?.....	31
	How many teachers have been retained seven terms in the same school?.....	25
	How many teachers have been retained eight terms in the same school?.....	25
	How many teachers have been retained nine terms in the same school?.....	24
	State the longest time that one teacher has been employed in the same school?.....	56 terms
63.	State the largest number of pupils during any term who studied the following branches :	
	Reading	1318
	Writing	1318

Spelling.....	1318
English Grammar.....	142
Geography.....	520
Civil Government.....	49
Arithmetic.....	1382
Drawing.....	1139
Physiology.....	1318
United States History.....	88
Vermont History.....	49
General History.....	18
Language Lessons.....	918
Physical Geography.....	51
Chemistry.....	
Map Drawing.....	496
Physics.....	15
Botany.....	142
Geometry.....	44
Trigonometry.....	
Surveying.....	
English Literature.....	37
Geology.....	108
Astronomy.....	
Book-Keeping.....	66
Algebra.....	168
Natural History.....	152
Psychology.....	
Moral Philosophy.....	
Logic.....	
Rhetoric.....	33
Greek.....	37
Latin.....	147
French.....	51
German.....	

64. State the number of "legal schools" sustained in your town since the first day of April, 1890? See letter giving number of teachers and number of schools, July 4, 1891.....
 [Information derived from this question will be used by the State Treasurer in dividing the money derived from the five per cent State tax. See section 6, No. 6, Acts of 1890. A "legal school" is one taught for twenty-four weeks since April 1, 1890, by a teacher having a legal certificate.]
65. How many graded schools in your town?..... 16
66. How many departments in your graded school in which one teacher or more have been employed since April 1, 1890.....
67. What is the amount of indebtedness of your school districts?.....None.
68. How much was paid on the indebtedness last year?.....None.
69. Does your town use the Town System? Special Charter—City System.....

CHARLES E. ALLEN, *City Clerk.*

THE SCHOOL CENSUS.

The following is the report of the school census of Burlington, taken by Mr. Charles E. Allen, clerk of the School Board:

BURLINGTON, VT., April, 1891.

To the Board of School Commissioners :

GENTLEMEN : In compliance with the provisions No. 9, Chap. 9, public acts of 1888, as amended by No. 5, public acts of 1890, and agreeably to your instructions, I herewith present my third annual report of the school census, taken last month.

As the school age was extended by the act of 1890, so as to include persons between five and twenty years of age, I have so tabulated the present census, that its results may be conveniently compared with the census of the last two years, when only persons between five and eighteen were included.

The tables are as follows :

A comparison of the foregoing statistics, although showing a loss of 2 per cent this year over last, in the aggregate number of children between the ages of five and eighteen years, furnishes several points of encouragement. The loss in numbers appears in the Third, Fourth and Fifth wards. The First and Second wards show a gain. The net loss is 73.

This deficit can be readily explained by the practical closing, during the winter, of the business of one of our most extensive lumber firms, preparatory to a reorganization, and by the stopping of the weaving department of the Burlington Cotton Mill company, occasioned by the loss of its spinning mill by fire in February. Several families with children were thus obliged to look elsewhere for employment, and have consequently removed from the city until the mills resume work. It is surprising that the loss was not greater.

An encouraging feature is found in the increased school attendance, in part, doubtless, owing to the satisfactory effects of the new truant law, from which even better results in the future may be confidently expected.

The number enrolled in our public schools has increased during the year past nearly two per cent, and, in the parochial schools four per cent. The number attending the private schools is practically unchanged. This leaves, the present year, only 306 of the 3,598 school children enumerated, or $8\frac{1}{2}$ per cent, who are not found in any school; a gain of *four* per cent in attendance, and of *thirty-three* per cent over the number reported last year not in any school.

Comparing the present census with that of 1889, it is especially encouraging to find that while the increase in the number of children between 5 and 18 years has been 254, the decrease in the number of the same school age, reported as unable to read and write, is 28. The percentage of illiteracy for the total number between those ages has therefore been reduced from 16 to 14 per cent during this period. If we deduct from the total number

the 400 children who cannot read and write, between five and eight years of age, the period within which education is commenced, the percentage of illiteracy at once drops to *three*, a gain of *two* per cent in two years. This is a most encouraging fact and one tending to show that public attention is being aroused upon this important matter, and that the increased school attendance is accomplishing gratifying results.

A new fact, however, is brought out this year by the extension of the school age. It is found that the percentage of illiteracy between the ages of 18 and 20 years is *five*. This is a difficult age to reach, as most, if not all, are employees, and naturally have neither the opportunity nor inclination to become pupils in our schools. The evening schools reach a few of them, but a renewed and special effort should be made in their behalf.

The last school census of persons between the ages of five and twenty years, was taken, under a previous law, in January, 1878. It may be of interest to compare its results with the present one, in order to see what progress we have made in thirteen years. For this purpose the following table is submitted:

Wards.	Years.	5-10 Yrs.	10-15 Yrs.	15-20 Yrs.	5-20 Yrs.	Gain 1891.	Loss 1891.
1	1878	123	123	107	353	13	129
	1891	93	99	174	366		
2	1878	244	230	213	687	409	
	1891	434	344	318	1096		
3	1878	349	324	263	936	386	
	1891	482	432	408	1322		
4	1878	205	191	190	586		
	1891	154	164	139	457		
5	1878	270	180	246	696	127	
	1891	301	292	230	823		
Total---	1878	1191	1048	1019	3258	935	129
	1891	1464	1331	1269	4064		
Gain 1891..		273	283	250	806		

During this period the population of the city has increased about 30 per cent, while the rate of increase of persons of school age (five to twenty years) has been 25 per cent, a gain of *twenty* per cent over the rate of increase of persons of this school age for the eight years previous to 1878. It will be noticed that the increase by wards varies from two to six per cent, except in Ward Four, in which there is a decrease of two per cent. The loss in this ward is largely due to the fact that during the last decade Ward Four has become more a place of business than of homes.

But without further remark the tables speak for themselves, suggesting many points worthy of consideration, and indicating the direction in which effort should hereafter be expended.

Respectfully,

CHARLES E. ALLEN.

In connection with Mr. Allen's report, I take the liberty of presenting the following editorial thereon, contained in the daily *Free Press and Times*, of Burlington, April 16, 1891.

BURLINGTON'S SCHOOL CENSUS.

The *Free Press* printed a statement from State Superintendent Palmer a few days since which went to show that Vermont had not fallen behind in the matter of its public school enrollment. This morning we publish the result of the new school census of Burlington, taken, as it has been during the past two years, under the efficient supervision of Mr. Charles E. Allen, and we are glad to be able to state that this city is not only not falling behind but is making a handsome gain in its enrollment, as well as in its fight against illiteracy. The report includes in tabulated form a large amount of valuable information in relation to the educational condition of this city, and in this connection it will not be out of place to say that according

to an excellent authority Burlington has had during the past two years a school census report that compared favorably with that of any city of our size in the country. It is safe to say that the school census, just taken, surpasses in exactness and completeness any enumeration of the kind that has yet been taken in Burlington, and all who are interested in educational matters will be pleased to learn of its general encouraging results.

The census, which is the third since the passage of the school law of 1888, shows that the number enrolled in Burlington's public schools has increased during the past year about 2 per cent while the enrollment in the parochial schools increased 4 per cent. Only 306, of the 3598 school children enumerated, are not found in any school which is a gain of 4 per cent in attendance and of 33 per cent over the number reported last year not in school. Another encouraging fact shown is that in the period of compulsory education the percentage of illiteracy has been reduced 2 per cent, and is now only 4 per cent. At this rate in four years every child of the age—eight to fourteen—will be able to read and write. The percentage of illiteracy from eight to eighteen exhibits a corresponding reduction and the entire showing in this particular is very gratifying. This doubtless results in no small degree from the present judicious enforcement of the truant law, which is appreciated by the parochial as well as the public school authorities. It has already necessitated the employment of an additional teacher in the ungraded day school, and the school board are prepared to add to the number of instructors as rapidly as demanded by the enforcement of the truant law.

The fact shown by Mr. Allen that the percentage of illiteracy of persons from eighteen to twenty, is five, shows the importance of reaching this class in some way. Such persons being generally otherwise employed during the day may be induced to

attend our evening schools, and every opportunity and encouragement should be given them to do so.

Doubtless in the near future additional school accommodations will be required, and, if demanded, the school board should not hesitate to provide them. We are sure that the members of the board will be heartily sustained in their every effort to advance the cause of public education.

Other points of interest will suggest themselves to our readers from a perusal of the report, and we think that all will agree with us that Burlington is more fully justified each year in the pride which she takes in her public school system.

SCHOOL PROPERTY.

In addition to the usual incidental work done about the school buildings, some changes and improvements have been made which are worthy of special mention.

In the North and Murray Streets building, a new floor was laid in the lower story, and the side entrances were guarded against snow and ice falling from the roof, by the construction of plain but useful hoods. At the Archibald Street building, its side entrances were similarly protected.

At the Main Street building, where considerable difficulty has been experienced in the two grammar school rooms on account of insufficient light, two windows in each story were put in the north end of the building, and a sky-light was also added for the benefit of the upper room. And in the latter room a hard wood floor was laid. This building is now well lighted and otherwise improved by these repairs. At the High School, the steam heating apparatus was extended to the third floor, and now coils of steam pipes nearly encircle the room.

Although the season has not yet been very severe, we think it has been sufficiently so to demonstrate the success of this attempt to warm the entire building with our present steam system thus extended.

During the summer vacation, the south and east side walks around the High School were flagged, curbed and guttered, the fence was removed, the grounds on the south and east were suitably graded and filled, and concrete walks were laid from the side walks to the different entrances, except to the rear basement door. It hardly need be added that both the exterior and interior of this building were greatly improved by these changes.

The problem of warming this building seems now to have been solved, but that of ventilating it still presses us for solution.

As shown by the statistical tables, there was a large increase in school attendance during the year, which made it necessary to add to the seating accommodations of several of our buildings.

In the High School building, fifty school desks and seats were placed in the third floor room, and several were added to the crowded number in the Grammar School room.

Additional seats were also procured for both Grammar School rooms in the Main Street building, for the Adams Intermediate, Pomeroy and Archibald Street Primaries, and for the Falls school, while at the Cherry Street Ungraded School, it became necessary to employ another teacher for full time, and to equip another school room.

During the present month—January, 1892—the city has purchased of Mr. Frederick W. Cole, for school purposes, the property on the south-west corner of Pine and Cherry streets—for many years occupied as a homestead by the late Mrs. Sarah C. Cole. The property adjoins the Pine Street School lot, and with it, makes a very advantageous and admirable site for a good school building, and the city is very fortunate in securing the property.

In this connection I am exceedingly happy to state that the project of erecting a school building which shall be well adapted to its purposes and creditable to the city, on this enlarged Pine

street lot, seems now to be well under way. The property was purchased with a view to the construction of such a building, and plans and designs are now being examined and considered by the Board of School Commissioners.

There is now, so far as I am aware, not only no opposition to this project, but on the other hand, a very general and strong sentiment in its favor. And the expense of the building, can, by the aid of recent legislation, be so distributed and postponed, that it will at no time cause a heavy burden of taxation.

I trust that the next annual report of this department will contain something more than expressions of urgent needs and hopeful anticipations in regard to this subject.

TEACHERS.

The Educational Institutions represented by our teachers, either as graduates or as partial course students, are as follows, viz :

The University of Vermont and State Agricultural College..	7
Burlington High School.....	12
Johnson, Vermont State Normal School.....	6
New Hampton Institute.....	1
Mrs. Worcester's Seminary.....	1
Oswego, N. Y., State Normal School.....	10
Albany, N. Y., State Normal School.....	1
Salem, Mass., State Normal School.....	1
Worcester, Mass., State Normal School.....	1
Mt. Holyoke, Mass., Seminary.....	1
Roxbury, Mass., High School.....	1
St. Albans, Vt., High School.....	1

Retaining nearly all the teachers whose names have appeared in previous reports, the general character and condition of the schools have changed very little during the year.

I wish to bear testimony again to the competency and faithfulness of our teachers in their relations with the schools, and to

their high character and personal worth in all their relations in life.

To the teachers chiefly, credit is due and heartily given, for whatever of excellence our schools possess.

TRUANT OFFICER.

The appointment of a Truant Officer has been attended with very gratifying results. The selection of Mr. Oliver Lamora was a wise one. He has been judicious, efficient and faithful. So discreetly has he discharged his difficult and delicate duties that he has accomplished the purposes of the law, thus far, without a single prosecution in court.

It should also be said that parents, employers and citizens generally, have co-operated cheerfully with the school authorities in executing the law, and in reducing truancy and non-attendance.

While there is undoubtedly still need of vigilance and continued effort in this direction, yet I believe the condition of the city in this regard, to be creditable.

ACKNOWLEDGMENTS.

Grateful acknowledgments are due and gladly expressed to Volunteer Hose Company, No. 1, for a good flag pole for the Adams school grounds, and to Mr. William H. Lane, Jr., for the large and beautiful flag for the same school, which has gracefully and loyally floated from this pole since the opening of the present school year.

The rules of the Board of School Commissioners, our School Regulations and Course of Study, are hereto appended and made a part of this report.

In closing, I wish to express my indebtedness to the members of the Board of School Commissioners for their constant

and cordial assistance, to the people of Burlington for their continued forbearance and good will, and to your Honorable Body for its action in promoting the interests of the School Department.

Respectfully submitted,

H. O. WHEELER,

Superintendent.

APPENDIX.

TO SCHOOL REPORT.

RULES
OF THE
Board of School Commissioners,
AND
Regulations of the Public Schools
OF
BURLINGTON, VT.

RULES OF THE BOARD.

ORGANIZATION.

1. The members of the Board of School Commissioners shall meet and organize on the first Friday in April, each year hereafter, and the Officers and Standing Committees of the Board shall then be elected to hold office for the ensuing school year, and until their successors are duly elected and qualified.

2. At such annual meeting there shall be elected by ballot the following Standing Committees, of each of which the Superintendent shall be Chairman, viz:

- 1.—A Committee on School Houses and School Property, to be composed of the Superintendent and two Commissioners.
- 2.—A Committee on School Instruction, Text-Books and Teachers, to be composed of the Superintendent and three Commissioners.
- 3.—A Committee on Finance, to be composed of the Superintendent and three Commissioners.
- 4.—A Committee on Rules and Regulations, to be composed of the Superintendent and two Commissioners.

3. The Board shall hold its regular meetings on the first Friday of each month, at 7.30 P. M., and adjourned meetings at the pleasure of the Board. Special meetings may be called at any time by the Clerk, on the written request of the Superintendent or two Commissioners.

4. No standing Rule or Regulation of the Board shall be suspended except by unanimous consent, or modified, amended or repealed, except at a regular meeting of the Board, and on a vote therefor of a majority of the whole Board.

5. Vacancies in any of the Standing Committees shall be filled by the Board.

POWERS AND DUTIES OF CHAIRMAN, RULES OF ORDER AND ORDER OF BUSINESS.

6. The President of the Board, when present, shall preside as Chairman, and when absent a Chairman may be appointed *pro tempore*. Upon the appearance of a quorum, the Chairman shall proceed to business in the following order:

- 1.—Calling of the Roll.
- 2.—Reading of the Record of the previous meeting.
- 3.—Presentation of Petitions and Communications to the Board.
- 4.—Reports and suggestions from the Superintendent.
- 5.—Reports of Committees.
- 6.—Unfinished Business.
- 7.—Miscellaneous Business.

7. The Chairman shall preserve order in the meetings, and shall decide all questions of order according to well established parliamentary usage, except when otherwise expressly provided by the Rules of the Board, subject to appeal to the Board.

8. The vote on any question shall be taken by *yeas* and *nays*, when any member shall call for them.

9. A motion to adjourn shall always be in order, except when a member has the floor, and when a question has been put and not decided.

10. At special meetings, the business for which the meeting has been called shall be first disposed of; and no other business shall be transacted except by unanimous consent.

11. A motion to reconsider a question shall not be in order unless made by one of the majority, nor unless it be at the same meeting, or the one next following that on which the decision was made; and a motion to reconsider being once put and lost, shall not be renewed save by unanimous consent.

RIGHTS AND DUTIES OF MEMBERS.

12. When a member is about to speak in debate, or to present any matter to the Board, he shall respectfully address the Chairman, and shall confine himself to the question, and avoid personalities.

13. All Resolutions offered by members of the Board shall be submitted in writing.

14. All Reports of Committees shall be in writing, and signed by such of the committee as concur therein; and the minority of any committee not concurring with the majority may be heard by written report.

DUTIES OF SUPERINTENDENT.

15. The Superintendent shall perform the duties required by law of Town Superintendents and of the City Superintendent.

16. He shall, under the direction and control of the Board of School Commissioners, have the supervision and care of the public schools of the city. He shall visit each school as often as may be practicable; shall carefully examine into its condition and progress; shall regulate and equalize, so far as may be expedient, the attendance of scholars at the different schools; and shall direct all transfers of scholars from one school to another, subject to an appeal to the Board.

17. The Superintendent may grant special permission to attend particular classes at the High School, without requiring the presence of the scholars through the entire session.

18. He shall appoint stated or occasional meetings of the teachers, for instructing them in their duties, and for consultation with them on matters connected with the welfare of the schools. He shall conduct the examinations of teachers, and direct the examinations of schools.

19. He shall receive from the teachers such reports as may be required from them, and shall duly classify and present the same to the Board; shall keep the Board advised of the condi-

tion of the several schools by frequent reports ; and shall annually prepare a written report for publication, giving such information relating to the schools, and presenting such plans for their improvement, as he may have to communicate.

20. He shall see that all orders and rules of the Board relating to the schools are carried into effect ; and the orders issued by him, by and with the advice and assent of the Board, shall be binding upon the teachers, until revoked by the Board. He shall keep a detailed account of all incidental expenses incurred by him, and report the same to the Board ; shall report all cases within his knowledge of delinquency or violation of rules on the part of teachers ; and shall at all times exert his influence to secure the highest degree of efficiency in the schools and the best progress and welfare of each scholar.

DUTIES OF THE CLERK.

21. The Clerk shall keep the record of the proceedings of the Board, and shall take careful charge of all papers directed by the Board to be kept on file, and of all books placed in his care. He shall give due notice to each Commissioner of the annual meeting, and of all special meetings of the Board, and shall give such other notices as the Board may direct.

DUTIES OF THE SEVERAL COMMITTEES.

22. It shall be the duty of the Committee on School Houses and School Property to recommend all necessary repairs and improvements for school buildings and property, and to provide fuel, necessary supplies and apparatus for the schools.

23. The Committee on School Instruction, Text-books and Teachers, shall have charge of the course of instruction in the schools, and of the examination of teachers ; shall recommend such changes and supplies of text-books and apparatus as they shall deem necessary, and shall from time to time visit the schools and report to the Board on the character and condition of the same.

24. The Committee on Finance and Accounts shall audit all bills and accounts against the Board (the same having been first presented to the sub-committee contracting such bill or account), and if found correct, approve the same in writing, and on the vote of the Board, draw orders on the City Treasurer for the payment of the same, and keep a record of such orders.

25. The Committee on Rules shall report standing rules and regulations for the schools, for teachers and pupils, for the Superintendent, and for the Board and its officers.

REGULATIONS OF THE SCHOOLS.

TERMS, HOLIDAYS, ETC.

1. The school year shall begin on the first Monday in September. The Fall Term of the High and Grammar Schools shall continue sixteen weeks; of the Intermediate and Primary Schools, fifteen weeks.

The Winter Term shall begin on the first Monday following New Year's day, and shall continue eleven weeks.

The Spring Term shall begin on the first Monday in April, and shall continue, in the Intermediate and Primary Schools, ten weeks, and in the High and Grammar Schools to the Friday before the last Wednesday in June.

2. The Holidays shall be every Saturday, the thirtieth of May, days of Fast and Thanksgiving appointed by the National or State Government, and the day following Thanksgiving.

3. The Morning Session shall begin at nine o'clock and close at twelve. The Afternoon Session shall begin at two o'clock and close at four; save that, at the discretion of the Superintendent, in the North Avenue School, the Afternoon Session may begin at one o'clock and close at three.

But the C Classes of the Primary and Ungraded Schools may be dismissed at eleven o'clock.

4. In all the Schools except the Primary, there shall be a recess of fifteen minutes at the close of the first half of the

morning session, and of ten minutes at the close of the first half of the afternoon session; and in the Primary Schools a recess of ten minutes at the end of each hour.

5. All the school rooms shall be opened thirty minutes in the morning, and twenty minutes in the afternoon, before the time for beginning the session, and each teacher is required to be present at the school room at that time to receive and take charge of the pupils.

6. Where the school house is furnished with a large bell, the bell shall be rung at thirty minutes, again at fifteen minutes, and tolled for five minutes before the time for the session to begin.

7. No agents, lecturers, or exhibitors shall have admission to the schools for any purpose connected with their business, except by written permission of the Superintendent. Nor shall any notices be given in the schools, of any exhibitions, lectures, or other public exercises, without such permission.

8. No school building shall be used for other than school purposes, without the consent of the Board of School Commissioners.

9. The Public Schools of the City shall be free to those children only whose parents or legal guardians reside in the city.

Every person not having a legal residence in the City shall pay in advance to the Superintendent of Schools, for tuition, the following rates, per term :

HIGH SCHOOLS.....	\$8 00
GRAMMAR SCHOOLS.....	6 00
INTERMEDIATE SCHOOLS.....	5 00
PRIMARY SCHOOLS	4 00

DUTIES OF TEACHERS.

10. All teachers are expected to use their utmost endeavors to secure the regular attendance of every scholar, and may re-

quire written excuses from the parents or guardians of such as may be tardy or absent. They shall, also, when possible, between the close of the afternoon session and the beginning of that of the next day, visit the homes of all delinquents, and ascertain, and try to remove, the causes of their absence.

11. It shall be the duty of the teacher to keep in some conspicuous place in the school-room, a card showing the order of exercises for each day in the week, and the time for each exercise.

12. It shall be the duty of every teacher to give vigilant attention to the ventilation and temperature of the school-room. At each recess, and at the close of school, both morning and evening, the windows and doors shall be thrown open for a few minutes, so as effectually to remove all impurities. The temperature should be kept, as nearly as possible, at 68° F.

13. The teachers shall prescribe such rules for the use of the yards and out-buildings connected with the school-houses, as shall ensure their being kept in a neat and proper condition, shall inspect them daily, and shall be held personally responsible for any want of cleanliness about the out-buildings.

14. The Superintendent may, in his discretion, grant one-half day in each term to each teacher for the purpose of visiting other public schools in the city, and may designate the schools to be visited; and teachers who avail themselves of this permission are required to make report in writing to the Superintendent within one week, of the exercises which they witness, with remarks and criticisms thereon.

15. Teachers may detain any pupil for a reasonable length of time after school hours, either for purposes of discipline or to make up imperfect lessons.

16. For violent and direct opposition to authority, a teacher may exclude a pupil from school for the time being, promptly informing the parent or guardian of the measure, and applying to the Superintendent for advice and direction.

17. The teachers shall meet at such time and place as the Superintendent may designate, for the purpose of mutual instruction and improvement. At the first meeting in each term they shall appoint a Secretary, who shall keep a careful record of the transactions of each meeting, and of the attendance and punctuality of the teachers, and report the same to the Board at the close of each term ; and the amount of time solost by any teacher shall be deducted from the services of such teacher for such term.

18. Teachers shall not have the right to resign their positions, and terminate their engagements before the expiration thereof, without the consent of the Board of School Commissioners, except in case of sickness or other peremptory necessity ; but the Board reserves the right to dismiss any teacher at any time for incompetence to teach or to govern the school properly, or for any action which the Board shall consider prejudicial to the welfare of the school.

19. For all needed repairs or supplies, the teachers shall make application to the Superintendent, in writing.

20. Any damage done by pupils to the school houses, furniture, or other school-property, shall be reported forthwith by the teacher to the Superintendent, in writing, together with the names of the offenders, and their parents or guardians.

21. Substitute teachers, temporarily employed, shall be paid three-fourths the wages of those whose places they take.

22. Written examinations, except in Primary Schools, shall be held monthly, covering the previous four weeks work.

23. Principals of Schools are required to report, at each Teachers Meeting, the enrollment and average attendance of their respective schools for the previous week, or since the last meeting, and to note the same in a record book furnished for that purpose. They will also make a record of warning notices and suspensions, and cases of direct and violent opposition to authority.

24. Teachers will be required to perform such duties in respect to Pupil Teachers, within school hours, as the Board may prescribe.

DUTIES OF PUPILS.

25. Any scholar in the High, Grammar and Intermediate Schools, whose average standing or grade of scholarship for any consecutive four weeks shall fall below *fifty*, (*one hundred* being the standard of perfection,) shall be at once sent down to a lower class; but opportunity shall be given to make up lost recitations, in case satisfactory reasons for absence or other failure have been rendered in writing, and not otherwise; and any scholar falling below an average of *sixty* in any study for one month shall be placed on probation, or falling below an average of *seventy-five* in all studies, shall be placed on probation, and if the deficiency is not made up during the next four weeks, shall be placed in the next lower class; or falling below an average of *forty* in any one study for four consecutive weeks, shall be immediately placed in the next lower class, with the privilege of being reinstated as above provided.

No scholar, however, shall be sent or transferred to a lower grade of school in any of the cases herein mentioned, without the direction of the Superintendent.

The standing of pupils in scholarship shall be determined as follows:

At the end of each month—(4 weeks)—the average of daily marks shall have equal weight with the marks given at the monthly examination.

At the end of the term(except the last term of the year,) the average daily marks shall have equal weight with the average of the marks of all examinations during the term.

At the end of the year the average of all daily marks shall have equal weight with the marks given at the annual examination.

26. Any member of the High Schools who may have been absent without satisfactory excuse for three half days in any Term;—and any member of a Grammar School who may have been so absent five half days in any Term;—and any pupil in the Intermediate department who may have been so absent five half days in any Term—will become liable to suspension therefor by the Superintendent, or by the Teacher with the consent and advice of any member of the School Board, and the pupil will be deprived of the privileges of the School for the remainder of the Term, unless sooner restored by the Superintendent or the Board. But such suspension shall not be enforced unless the parent or guardian of the pupil has been informed by the teacher of each several instance of delinquency; and this notice shall be given in writing and sent through the post office, or by some other person than the offender. Teachers are required to report all such cases at once to the Superintendent.

27. Any pupil shall be recorded as absent who has not been present for at least one-half of the session,—and also (for purposes of the preceding rule) any pupil who shall leave the school without permission before the close of the session.

28. Three instances of tardiness shall be equivalent to one half day's absence, and shall be treated as such.

Scholars may, in the discretion of the teachers, be excluded from school for tardiness, for the session in which the tardiness occurs.

29. Absence from any Public Examination, or examination by the Superintendent, except for sickness, or other causes deemed satisfactory by the Superintendent, shall be considered sufficient reason for placing such absent pupil in the next lower class, or excluding him from school.

30. Pupils shall not go from one school to another without permission from the Superintendent.

31. Pupils shall not be permitted to answer calls at the

door, except those of the parent or guardian; but messages approved by the teacher may be sent in to the pupils.

32. No scholar may remain in school who has not given proper attention to cleanliness of person and dress; and in case of neglect in this respect, it shall be the duty of the teacher to send the child home to be suitably prepared for school.

33. Each pupil shall be responsible for the chair and desk assigned him, and be required to keep the same and the floor beneath in a neat and orderly condition.

34. No person connected with the Public Schools shall be allowed to use tobacco while in attendance at school; and all profane and obscene language is strictly forbidden.

35. No scholar shall be dismissed before the close of school hours, except for sickness or upon the written request of the parent or guardian; and such requests shall be discouraged by the teacher as much as possible.

36. All applications for regular leave of absence or dismissal must be made to the Superintendent, who may grant such request, provided it do not seriously interfere with the regular course of study.

37. The regular time for the promotion of pupils from one grade to another, shall be at the close of the Spring Term; but the Superintendent may make promotions at any time, when in his opinion the interest of individual pupils may require it.

38. No child shall be received into the schools that is under five years of age.

RESOLUTIONS HAVING THE FORCE OF REGULATIONS.

PUPIL TEACHERS.

Resolved, That the Superintendent be authorized to receive from six to ten pupil teachers, to be instructed in the art of teaching, receiving lectures and criticisms from our best instructors, and that after six months practice without compensation, they may receive pay at the rate of \$1 per day for supply work, and at the end of a year, if their progress and qualifications shall warrant it, they shall have their names placed on the list from which teachers are to be appointed as vacancies may occur.

Adopted, January 5, 1880.

CORPORAL PUNISHMENT.

Resolved, That the Board of School Commissioners direct that corporal punishment in the schools be resorted to only in extreme cases, and that every case be put on record by the teachers with all necessary details, and be reported at once to the Superintendent.

Adopted, March 5, 1880.

COMPENSATION, TEACHERS ABSENT ON ACCOUNT OF SICKNESS.

Resolved, That in future all teachers absent from school on account of sickness, shall receive the same salary as paid when they are on duty, except when a substitute is engaged, in which case the amount paid to such substitute shall be taken from the salary of the absent teacher.

This is not to apply when the teacher is off duty to exceed one term.

Adopted, June 6, 1884.

SCHOOL DISTRICTS.

The City is divided into six School Districts, as follows :

North and Murray Streets District embraces all that section north of Pearl street, (not including residents on the north side of Pearl street,) and west of Elmwood Avenue, and a line of Elmwood Avenue extended north to the river ; thence westerly to the north line of Lake View Cemetery, and to the lake, and bounded west by the lake.

Pomeroy District begins at the corner of Pearl street and Elmwood Avenue ; thence along Pearl street to Winooski Avenue ; thence along Winooski Avenue to College street ; thence along the line of College street, extended to East Avenue ; thence along East Avenue in a direct line northerly to the river ; thence along the river to the boundary of the North and Murray streets District ; thence in a direct line to the place of beginning.

Pine Street District is bounded on the north by Pearl street, including residents on the north side of Pearl street, on the east by Winooski Avenue (formerly White street) on the south by King street, and on the west by the lake.

Adams District embraces all of the Fifth Ward, except that portion between Main and King streets, also that portion of the Fourth Ward east of Winooski avenue and south of College street, extended to East Avenue.

Falls District embraces all east of East Avenue, extended north to the river.

North Avenue District embraces all north of North and Murray streets District from Lake View Cemetery.

LOCATION OF SCHOOLS.

High School, corner of College and Willard streets.

Grammar School, in High School Building.

Grammar Annex, corner of Main and Union streets.

Pine Street Intermediate, Pine street, between Bank and Cherry streets.

Pomeroy Intermediate, North street, between Hyde and Willard streets.

Adams Intermediate, Union street, between Spruce and Howard streets.

North and Murray Streets Intermediate, corner of North and Murray streets.

Pine Street Primary, Pine street, between Bank and Cherry streets.

Pomeroy Primary, North street, between Hyde and Willard streets.

Adams Primary, Union street, between Spruce and Howard streets.

North and Murray Streets Primary, corner of North and Murray streets.

Falls School, Chase street.

North Avenue, near Appletree Point road.

Ungraded School, Cherry street, between Battery and Champlain streets.

COURSE OF STUDY.

PRIMARY SCHOOLS.

C CLASS—FIRST YEAR.

Language.—Conversational lessons.

Reading.—Attention of children directed to certain objects. Children then led to make short statements about the objects. Statements placed upon the black-board. Children read, using objects as statements suggest. Words of statements placed promiscuously upon the board. Children find and pronounce words as arranged in statements and promiscuously.

This method continues until the majority of the class recognize at sight, and read, with good expression, such words and sentences contained in text-book as can be used in this way.

The book is then given to the class and completed, with constant use of black-board.

Method. Word, or combination of word and sentence methods.

Spelling.—By sound and letters, words employed in reading, and in other exercises.

Children make and write statements containing one or more words in each lesson, beginning statements with capitals and closing with periods.

Writing.—In connection with spelling, copying words and sentences, and writing statements dictated. Copy books also used.

Number.—Combination of numbers from one to twenty inclusive. Mixed work, simple problems. Great variety of objects used in developing numbers and illustrating combinations.

Method. "Geube Method" followed as basis of work—but with most of fractional combinations and results omitted.

Drawing.—Slate work on straight lines and angles. Division and measurement of lines. Square. Paper cutting and folding. Clay modeling.

Form.—Surface, faces, kinds of faces, edges, kinds of edges, corner, (of solids), lines, kinds of lines, point, space, figure, with objects.

Place.—Place terms, right, left, above, below, over, under, upper, lower, centre, etc., taught using table, slate, blackboard and other familiar objects.

Principal points of compass taught.

Human Body.—Names, number and uses of important parts, and position of parts.

Animals.—Names, number, and position of parts of familiar animals. Children led to notice differences and similarities of these parts, and corresponding parts of human body.

Objects.—Parts, descriptions, positions and uses of some familiar objects, as basket, key, parasol, etc.

Music.—Systematic course of vocal music begun.

Text-books. Lippincott's Beginner's Reading Book; Silver, Burdett & Co.'s Tracing Course No. 1, and Short Course No. 1.

B. CLASS—SECOND YEAR.

Language.—Oral lessons.

Reading.—Second Reader of series adopted, with much supplementary matter.

Spelling.—By sound and letters, words employed in reading and in other exercises.

Children make and write statements, using words in lessons. Use of capitals and period taught.

Writing.—All capitals and small letters. Words and sentences. Copy books also used.

Number.—Combinations of numbers from twenty-one to fifty inclusive. Mixed work, including all fundamental operations continued. Much slate and board work. Teachers and children make problems for class to solve.

Method. Same as in C class.

Drawing.—Straight lines and their uses in the construction of geometric figures of angles, triangles, squares, oblongs, and rhombuses, also the elementary principles of design. Paper cutting and folding. Clay modeling.

Form.—Review lines and angles, triangles, square with its diagonals.

Place.—Principal and intermediate points of compass. Draw map of recitation room, main room, school building, and school grounds—drawing to a scale taught.

Human Body.—Construction and uses of important parts.

Animals.—Habits and uses.

Objects.—Qualities of objects.

Plants.—Principal parts, description and uses.

Tables.—Time and Long Measure. Children taught to tell time and to use foot rule and yard stick. United States money, dry measure and liquid measure.

Music.—Course in vocal music continued.

Text Books.—Appleton's Second Reader, Book 1; Prang's "American Text Books of Art Education"; Lippincott's Second Reading Book; Wentworth's Primary Arithmetic; Silver, Burdett & Co.'s Tracing Course No. 2, and Short Course No. 2; Prang's Shorter Course in Form Study and Drawing No. 1.

A CLASS—THIRD YEAR.

Language.—Use of capitals and punctuation marks taught. Reproduction of short series and letter writing.

Reading.—Third Reader of series adopted, with much supplementary reading.

Spelling.—Words employed in reading and in other exercises. Pupils write sentences using words in lessons.

Writing.—Words and sentences continued.

Number.—Numbers from fifty-one to one hundred forty-four inclusive. Reviews of previous work, fractional combinations and results taken. Constant drill for rapid and accurate work. Much board and slate work.

Definitions of unit, numbers, notation, kinds of notation, numeration, addition, sum, sign of addition, sign of equality, subtraction, difference, minuend, subtrahend, sign of subtraction, multiplication, multiplicand, multiplier, product, sign of multiplication, as the different processes to which they belong are reached, and developed.

Children taught to write and read numbers of four figures or less; to add in problems of four columns or less; to subtract in numbers of four figures or less; and to multiply any number of four figures or less with any multiplier of one figure.

Practical problems and analyses.

Drawing.—Circle, ellipse, oval; also a further application in figures containing both straight and curved lines, of the principles of object drawing and design. Paper cutting and folding. Clay modeling.

Form.—Review of B work, circle and solids.

Place.—City map, wards, principal streets and buildings, railroads, occupation of people of City. Towns in County. Some of principal facts in regard to County and State.

Human Body.—Some oral instruction in physiology and hygiene,—including the effects of narcotics and stimulants.

Animals.—Habits, adaption, and classification.

Plants.—Parts, description of parts, uses, leaves, parts of flowers, roots, and kinds of roots.

Color.—Colors, mixing to form different colors.

Music.—Music course continued. Two part music taken for B and C classes.

Text-books.—Silver, Burdett & Co's Third Reader, Wentworth's Primary Arithmetic, Silver, Burdett & Co's Short Course in Writing Nos. 1 and 2, Prang's Shorter Course in Form Study and Drawing No. 2, A. S. Barnes & Co's Pathfinder Physiology, No. 1.

Ginn & Heath's First Music Reader. Supplementary Reading for Primary Schools, "Our Little Ones," "Little Folks' Reader," Swinton's Second Supplementary Reader, Franklin Second Reader, Barnes' Second Reader, McGuffey's Second Reader, Monroe's Second Reader and Lippincott's Second Reader, and other books and periodicals.

INTERMEDIATE SCHOOLS.

C CLASS—FOURTH YEAR.

Reading.—Lippincott's—The Second Reading Book, with supplementary reading.

Spelling.—Silver, Burdett & Co's Normal Course in Spelling.

Arithmetic.—Notation, Numeration, Addition, Subtraction, Multiplication and Division, including definition of terms used, explanations, and development of rules for the different processes. Practical problems in each of the processes, and in combination of different processes. Mental drill.

Geography.—Conversational lessons on City. Preliminary definitions taught—as far as possible from surroundings. Conversational lessons on Chittenden County, including its towns, boundary, surface, soil, productions and occupations.

State of Vermont, its boundary, Counties, principal cities and towns, mountains, rivers, lakes, soil, climate, productions and occupations, etc.

General work on United States, including boundary, form, position, principal physical features, climate, natural resources, exports, imports and occupations.

Particular work on the New England States.

Map drawing in connection with different topics.

Writing.—Silver, Burdett & Co's Normal Review System of Writing. Book 1. Ink used.

Drawing.—Prang's Shorter Course in Form Study and Drawing. Book No. 3 followed.

Language.—Names, proper and common, and how to write their initials. The statement, parts of statement. Punctuation.

Dictation and reproduction work.

Physiology.

Music.—Three part music begun.

B CLASS—FIFTH YEAR.

Reading.—Silver, Burdett & Co's Normal Fourth Reader, with supplementary reading.

Spelling.—Silver, Burdett & Co's Normal Course in spelling.

Arithmetic.—United States Money, Decimal Fractions, Factoring, Cancellation, Common Divisors, and Common Multiples. Exercises in Mental Arithmetic.

Geography.—General view of the United States. Particular work on each section and each State. North America and South America.

Map Drawing.

Writing.—Silver, Burdett & Co's Normal Review system of writing, Book No. 2.

Drawing.—Prang's Shorter Course in form study and Drawing, Book No. 4 followed

Language.—Inquiry, number, case, quality words, action words, command, exclamation.

Physiology.

Music.—Three part work continued.

A CLASS—FIFTH YEAR.

Reading.—Lippincott's—The Fourth Reading Book and reading.

Spelling.—Silver, Burdett & Co's Normal Course in spelling.

Arithmetic.—Fractions, and review of C and B years' work.

Geography.—Europe, Africa, Asia, and Australia.

Circles of Earth, Meridians, Parallels and Motions of the Earth. General review. Map Drawing.

Writing.—Silver, Burdett & Co's Normal Review system of writing Book, No. 3.

Drawing.—Prang's Shorter Course in Form study and Drawing, Book No. 5 followed.

Language.—Letter writing, and application of previous instruction to written work.

Science.—Bert's First Steps in Scientific Knowledge, Animals, Plants, Stones and Rocks.

Physiology.—

Music.—Three part work continued.

Text Books.—Lippincott's New Series, Third and Fourth Reading Books, Silver, Burdett & Co's Normal Fourth Reader, Silver, Burdett & Co's Normal Course in Spelling, Greenleaf's Brief Course in Arithmetic, Colburn's Intellectual Arithmetic, Butler's Elementary Geography, Silver, Burdett & Co's Writing Books, Nos. I, II and III, Prang's Shorter Course in Form Study and Drawing, Books III, IV and V, Giun & Co's Elementary Lessons in English, Book I, Bert's First Steps in Scientific Knowledge, Parts I, II and III, Animals, Plants Stones and Rocks, A. S. Barnes & Co's pathfinder Physiology, No. 2. Giun & Co's Second and Third Music Readers.

Supplementary Reading.—Harper's Young People, Swinton's Third Supplementary Reader, Sheldon's Fourth Reader, Hooker's Child's Book of Nature, the three parts bound separ-

ately, Goodrich's Child's History of the United States, Selections from Longfellow and Whittier, Lessons on Kindness to Animals, and Little Flower People.

GRAMMAR SCHOOL.

C CLASS—SEVENTH YEAR.

Reading.—Normal Fifth Reader, and for supplementary reading, selections in prose and poetry, from best authors.

Spelling.—Words selected from Reading and Geography and other lessons.

Geography.—Butler's Complete Geography, from beginning to British America, including special study of Vermont, and map drawing.

Arithmetic.—Greenleaf's Complete Arithmetic to Compound Numbers, including review of fundamental rules, Analysis, Properties, Factoring, Cancellation, Common Divisors, Multiples, Fractions, Decimal Fractions, United States Money and Bills.

Language.—Hyde's Lessons in Language, Second Book.

Writing.—Silver, Burdett & Co.'s Normal Review System of Writing, Book No. 4.

Drawing.—Prang's Drawing Book, No. 7, construction, decoration and representation.

In construction, sections and development of surfaces; in representation, the hollow cylinder and objects based on it, together with simple rectangular forms; in decoration, symmetry is especially dwelt upon and made practical in original design.

Physiology.—Brands' Lessons on the Human Body.

Music.—Four part music taken.

B CLASS—EIGHTH YEAR.

Reading.—Similar in character to that of C class.

Spelling.—Words selected from Reading, Geography and History lessons.

SCHOOL DEPARTMENT.

Geography.—Butler's Complete Geography, from British America through the book, with map drawing and written work on special subjects.

Arithmetic.—Greenleaf's Complete Arithmetic, from Compound Numbers to Interest, including Compound Numbers, Reduction, Denominate Fractions, Metric Weights and Measures, Percentage, and Profit and Loss.

U. S. History.—Text-book, Montgomery's Leading Facts.

Language.—All written work treated as Language Work.

Writing.—Silver, Burdett & Co.'s Normal Review System of Writing, Book No. 5.

Drawing.—No. 8, Prang's Drawing Book.

In construction, instruments are used; in representation, rectangular solids are placed at an angle; in decoration, proportion is emphasized.

Physiology.—Brands' Lessons on the Human Body.

Vocal Music.—Four part music continued.

A CLASS—NINTH YEAR.

Reading.—Higginson's Young Folk's History of the United States, and selections similar to those of C and B years.

Spelling.—Words selected from daily lessons.

Arithmetic.—Following Greenleaf's Complete Arithmetic, beginning at Interest and completing the book—half year.

English Grammar.—Welsh's First Lessons in English.

Physiology.—Following A. S. Barnes & Co's Physiology, Pathfinder No. 3, with use of Lantern—one term.

Book Keeping.—Following Meservey's Book-keeping—Single and Double Entry—one term.

Zoology.—Following Packard's Zoology, with use of Lantern—two terms.

Writing.—Silver, Burdett & Co's Normal Review System—Brennier Forms.

Drawing.—Prang's Drawing Book, No. 9. The same general features as in Books 7 and 8.

Construction is carried on by instrumental and free-hand work, and several new geometric problems are taught.

In Representation, there is practice in drawing rectangular objects below the eye, and turned at other angles than 45° .

In Decoration, historic and plant forms are studied; also decorative design.

Music.—Four part music continued.

Text-Books.—Silver, Burdett & Co's Normal Fifth Reader, Greenleaf's Complete Arithmetic, Butler's Complete Geography, Montgomery's Leading Facts in United States History, Welsh's First Lessons in English, Packard's First Lessons in Zoology, A. S. Barnes & Co's Pathfinder Physiology, No. 3, Brand's Lessons on Human Body, Meservey's Book-keeping, Silver, Burdett & Co's Normal Review System of Writing, Prang's Drawing Books, Ginn & Co's Fourth Music Reader.

Supplementary Reading.—Selections from Longfellow, Whittier, Hawthorne, Irving, Andersen, and Higginson's History of the United States. Burlington Daily Free Press is furnished, and is on file in the school room.

HIGH SCHOOL.

ENGLISH COURSE.

D Class—1st Year.	FALL TERM.			
	General History.	English Grammer.	Algebra.	
		Study of American Authors.		
C Class—2d Year.	WINTER TERM.			
	General History.	English Grammar and Composition.	Algebra.	
		Study of American Authors.		
B Class—3d Year.	SPRING TERM.			
	General History.	English Composition.	Algebra.	
		Study of American Authors.		
A Class—4th Year.	FALL TERM.			
	English History.	Physical Geography.	Arithmetic.	
C Class—2d Year.	WINTER TERM.			
	English History (5 weeks.)	U. S. History (6 weeks).	Physical Geography (4 weeks),	Botany (7 weeks). Advanced Algebra.
B Class—3d Year.	SPRING TERM.			
	U. S. History.	Botany.	Advanced Algebra.	
D Class—1st Year.	FALL TERM.			
	English Literature.	Civil Government.	Physics.	*French.
C Class—2d Year.	WINTER TERM.			
	English and American Literature.			
	Civil Government (4 weeks).	Rhetoric (7 weeks).		
B Class—3d Year.	Physics (4 weeks).	Chemistry (7 weeks).	*French.	
	SPRING TERM.			
	Study of English and American Literature.		Rhetoric.	
	Chemistry.		French.	
A Class—4th Year.	FALL TERM.			
	Study of English and American Authors.		Geology.	
	Geometry.		French.	
C Class—2d Year.	WINTER TERM.			
	Geology (4 weeks),	Astronomy (7 weeks).		
	Geometry.		French.	
B Class—3d Year.	SPRING TERM.			
	Astronomy.	Reviews.	French.	

*Optional.

LATIN-ENGLISH COURSE.

D Class—1st Year.	FALL TERM.			
	Latin Grammar and Lessons.	English Grammar.	Algebra.	
	Study of American Authors.			
D Class—1st Year.	WINTER TERM.			
	Latin Grammar and Lessons.	English Grammar and Composition.	Algebra.	
	Study of American Authors.			
D Class—1st Year.	SPRING TERM.			
	Latin Grammar.	Cæsar. English Composition.	Algebra.	
	Study of American Authors.			
C Class—2d Year.	FALL TERM.			
	Cæsar.	Physical Geography.	Arithmetic.	
	Latin Prose Composition.			
C Class—2d Year.	WINTER TERM.			
	Cæsar or Sallust.	Latin Prose Composition.	Botany (7 weeks).	
	Physical Geography (4 weeks).	Arithmetic (4 weeks).	Algebra (7 weeks).	
C Class—2d Year.	SPRING TERM.			
	Cæsar.	Latin Prose Composition.	Botany.	Algebra.
B Class—3d Year.	FALL TERM.			
	Cicero.	Civil Government. English Literature.	*French.	
	Latin Prose Composition.			
B Class—3d Year.	WINTER TERM.			
	Cicero.	Civil Government (4 weeks).	Rhetoric (7 weeks).	
	Latin Prose Composition.	English and American Literature.	*French.	
B Class—3d Year.	SPRING TERM.			
	Cicero.	Latin Prose Composition.	Rhetoric.	
	English and American Literature.	*French.		
A Class—4th Year.	FALL TERM.			
	Virgil.	Geometry.	Geology.	French.
	WINTER TERM.			
A Class—4th Year.	Virgil or Ovid.	Geometry.	Geology (4 weeks).	
	Astronomy (7 weeks).	French.		
	SPRING TERM.			
	Virgil.	Reviews.	Astronomy.	French.

*Optional.

CLASSICAL COURSE.

D	Class—1st	Year.	FALL TERM.		
			Latin Grammar and Lessons.	English Grammar.	Algebra.
			Study of American Authors.		
			WINTER TERM.		
			Latin Grammar and Lessons.		
			English Grammar and Composition.		Algebra.
			Study of American Authors.		
			SPRING TERM.		
			Latin Grammar and Reader, including selections from Cæsar.		
			English Composition.		

C	Class—2d	Year.	FALL TERM.		
			Cæsar.	Greek Grammar and Lessons.	Arithmetic.
			Latin Prose Composition.		
			WINTER TERM.		
			Cæsar or Sallust.	Greek Grammar and Lessons.	
			Latin Prose Composition.	Arithmetic (4 weeks.)	Algebra (7 weeks.)
			SPRING TERM.		
			Cæsar.	Latin Prose Composition.	Algebra. Anabasis begun.

B	Class—3d	Year.	FALL TERM.		
			Cicero	Anabasis.	Civil Government. *French.
			Latin Prose Composition.		
			WINTER TERM.		
			Cicero.	Anabasis or selections from Herodotus.	*French.
			Latin Prose Composition.	Greek Prose Composition.	
			Civil Government (4 weeks.) Rhetoric (7 weeks.)		
			SPRING TERM.		
			Cicero.	Latin Prose Composition.	*French.
			Anabasis.	Greek Prose Composition.	Rhetoric.

A	Class—4th	Year.	FALL TERM.		
			Virgil.	Iliad.	Geometry. *French.
			WINTER TERM.		
			Virgil or Ovid.	Iliad	Geometry. *French.
			SPRING TERM.		
			Virgil.	Reviews.	*French.

* Optional.

French is optional in all of the courses, and can be taken as a fourth study, or, in the Latin-English and English courses, can, upon conditions, be substituted for an English subject of the corresponding year and term. Classes in Writing, Book-keeping and Physiology will be formed if necessary. Instruction in vocal music is given to the entire school.

In all of the courses throughout the four years, exercises in Rhetoricals will be required of each pupil as follows: First year, Declamation, Recitation or Reading before the class once in three weeks; second year, Declamation or Composition before the school once in three weeks; third and fourth years, Declamation or Composition before the school once in two weeks.

COURSES OF STUDY.

The Burlington High School offers three courses of study, the English, the Latin-English, and the Classical.

The English course affords thorough training for business, for teaching, and for the work of scientific schools. The Latin-English course, arranged practically upon the basis of the English course, substitutes Latin for some of the English studies, and extends its scope to meet the demands of the corresponding courses in higher institutions. The Classical course furnishes a thorough preparation for the Classical course in the colleges.

TEXT-BOOKS.

ENGLISH.

Welsh's Lessons in English Grammar; Welsh's English Composition; Kellogg's Rhetoric; Shaw's New History of English Literature; Masterpieces of American Literature; Hudson's & Rolfe's Shakespeare's Plays.

MATHEMATICS.

Wentworth & Hill's Arithmetic; Wells' Academic Algebra; Wentworth's New Plane and Solid Geometry.

NATURAL SCIENCE.

Butler's Physical Geography; Gray's How Plants Grow; Dana's Geological Story Briefly Told; Young's Lessons in Astronomy; Gage's Introduction to Physical Science.

CIVIL GOVERNMENT.

Mowry's Studies in Civil Government; Landon's Outlines of Civil Government of Vermont.

HISTORY.

Myer's General History; Montgomery's Leading Facts of English History; Johnston's History of the United States; Leighton's History of Rome.

FRENCH.

La Petite Grammaire Pour Les Anglais; La Mare au Diable (Geo. Sand); Petites Causeries.

LATIN.

Allen & Greenough's Grammar; Tetlow's Lessons; Allen & Greenough's Cæsar, Cicero, and Virgil; Daniell's Latin Composition; Tomlinson's Latin for Sight Reading; Doederlein's Synonyms.

GREEK.

Goodwin's Grammar; Hadley's & Crosby's Grammar (for reference); White's Lessons; Goodwin's Anabasis; Seymour's Homer's Iliad; Woodruff's Greek Prose Composition; Liddell & Scott's Lexicon; Smith's Smaller History of Greece; Tozer's Primer of Ancient Geography; Manatt's Xenophen's Hellenica (for sight reading).

MUSIC.

Tuft's Euterpean.

TERMS OF ADMISSION.

Students not regularly promoted from the Grammar School are admitted to the High School upon examination, or upon the presentation of a satisfactory certificate of scholarship from a school of good standing, and are classified according to their previous acquirements. Candidates for admission to any of the advanced classes must pass an examination in all of the previous work or present a certificate covering the same.

Students upon entering the High School are assigned to the course which they and their parents choose, and are expected to follow the studies prescribed therein, unless for good reason special permission is given to change. Those who have previously taken any of the studies of their course are allowed to substitute for them studies of the other courses of the corresponding term.

When health and ability favor it students are allowed, in addition to the studies prescribed for them, to choose a study of the corresponding term and year from one of the other courses or to do advanced work in their own. In this way some are able to get practically the advantage of two courses, or to complete one course in three years. A monthly report of attendance, deportment and scholarship is sent to the parents for their inspection and signature.

Graduates of the Burlington High School are granted a diploma specifying the course completed, and those whose scholarship reaches a certain standard receive a certificate, which is accepted by some of the colleges as an equivalent for the entrance examination.

INSTRUCTION.

In the instruction of the school the use of text-books is supplemented by experiments, investigation and analysis. Lectures by professional men before the school and before some of

the classes in their special work are given each year. The work in English Literature is done largely by systematic and critical readings in the best works of the various authors. Themes upon the matter read are frequently required of the students. In the department of French the method adopted is that known as the Heness-Sauveur or natural method, and the work is in most competent hands.

In all of the departments most profitable use is made of the books of the Fletcher Free Library. In availing themselves of this invaluable privilege the students are carefully directed by the teachers, and most efficiently and cheerfully aided by the librarian.

The aim of the instruction, in all of the courses, is to train thoroughly for their future work those who are to enter higher institutions of learning; to give to the large number, whose school work ends here, the best mental discipline possible; to create, by presenting some of the elementary knowledge of the sciences, an intelligent interest in them, and to cultivate a taste for the best in literature; in brief, to teach the student to think and to work.

In the management of the school, that method is adopted which secures good order by prompting in the student industrious habits, self-control and a high sense of honor.

This school is represented, in most of the leading colleges and scientific institutions, by students who are maintaining high rank in their respective classes, and many of its graduates are holding responsible positions with banks and other business institutions. In fact the demand by business men for the graduates of this school far exceeds the supply.

The attendance has steadily increased for the last eight years, and this without a single word of advertising in any form. The increase in attendance from the city has been much larger in proportion than the increase in the population of the

city itself, and also from outside the city. During the last two years the applications from non-resident pupils have been more than the board could feel warranted in accepting, as it seemed best and necessary to reserve room for further additions from the residents in the city. The admission of non-resident pupils has proved in many ways a great advantage to the school, as these pupils come usually for hard and thorough work, and in general enter the higher and smaller classes. They themselves find the work here valuable to them in many ways, outside of the school itself, in the advantages of our libraries, lecture courses, and higher class of musical entertainments. Already a number of applications have been received for the next year.

During the past two years not a single student has left the school for another school of the same grade, except on account of removal of family from town or because of failure to keep up with the work of the classes here.

THE FLETCHER FREE LIBRARY.

FOUNDED IN 1873, BY MRS. MARY L. FLETCHER
AND MISS MARY M. FLETCHER.

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Alderman KINSLEY,
“ STORRS,
“ RAND.

* Died April 10, 1891.

EIGHTEENTH ANNUAL REPORT OF THE FLETCHER FREE LIBRARY.

REPORT OF THE TRUSTEES.

BURLINGTON, VT., January 1, 1892.

To the City Council of Burlington :

GENTLEMEN : We again avail ourselves of this annual opportunity to thank you for the kind care you continue to take for the welfare of the Fletcher Free Library, and to congratulate you on the ever increasing benefit to the City that flows from that care. The accompanying more detailed report of the Librarian will show you, as far as figures can, what this benefit is, as represented by the wide circulation of the books, and the varied use made of them.

But your own observation, and what has come to you in different ways from your families and friends and discriminating strangers, have all along given you a much more living and satisfactory evidence of the vast good the Library is doing, and has been doing, since its establishment. The time has far gone by, if it ever existed, when any could regard the gift which founded it as an inconsiderable benefaction.

It has long been a common place among us, that the Fletcher Free Library is one of the most influential of the forces by which the City has secured and retains its exceptionally high reputation for intelligence and social and moral culture. And we see no reason to anticipate any diminution of this wholesome power in the future.

The work, in spite of serious hindrances, we may expect to go effectively and beneficently on. But we sadly miss one of the chief laborers therein. The Rev. Dr. L. G. Ware has

ceased to have his part in this work. This is no place for general eulogy. But I am sure, gentlemen, you will recognize the propriety of our recalling at this time the very great value of the services Dr. Ware rendered the Library, and as a consequence the City, and the severe loss we have suffered in his death.

From its organization a member of the Board of Trustees, and its efficient Secretary, he spared neither time nor effort in meeting the responsibilities of his position. He was intensely interested in having the Library achieve its best. His office was to him no perfunctory one. His duties were eminently congenial duties to him, and he was eminently qualified to discharge them; and we all reaped the corresponding benefit. His wide reading, his cultivated taste, his fine literary discrimination, his general knowledge, and his broad appreciation of the varied needs of the community, especially fitted him for the important responsibility of aiding in laying down on right lines the *foundations* of the Library.

Few but those who have had part in similar duty have any adequate idea how much of both labor and judgment are involved in the original equipment of a good public library. Few but those who were engaged with him in the same duty know how much the City is indebted to Dr. Ware for his help in this particular thing; and for seventeen years after giving his aid in this work of original equipment, this gentleman gave in his place here, in ways too numerous and too delicate to be measured, unstinted interest and thought and toil for the advantage of the City.

We do not for a moment suppose that you, any more than ourselves, are unmindful of the obligations we are thus under to Dr. Ware. We have a right to assume that you would be as glad as we to give some suitable expression to your recognition of his services. Of course, the fact that what he did has been measurably appreciated, is, in itself, no insignificant compliment,

and the knowledge of such appreciation could not, probably, but so far have been pleasant to Dr. Ware himself. But can we think that any such simple personal honor would have been considered by him as at all so satisfactory an expression of recognition, as the carrying out of his ideas for the well being of the Library?

We all know what the leading one of these ideas has for a long while been. He urged it too often and too forcibly in his reports to you; he re-iterated it in too many ways and places to leave room for doubt that he regarded as an immediate and pressing requirement of the Library for decency and beauty, for conveniency of use, for safety, for any proper mere storage of the books, *a new Library building*. We are confident that could he have thought that he had been able to effect the accomplishment of this one idea, he would have felt that he had been amply recompensed for all the care and labor he through so many years expended. He was, however, not allowed to live to see such accomplishment. But why should not his idea find an early realization through others?

Men die, but their ideas happily live after them; and now would seem a specially suitable opportunity for this still living idea to obtain its embodiment. Such embodiment would not only be peculiarly becoming at this time as a generous tribute of respect to Dr. Ware's memory, but there are conditions connected with him personally that make the present the fit moment to press the subject.

As you are aware, a number of Dr. Ware's personal friends, who well-knew how strong his feelings were in respect to a new library building, have thought that they could not better express their regard for him, and at the same time confer a public benefit, than by making an effort to have his great wish fulfilled, and to erect a building bearing his name that should cost \$50,000. The Trustees have done what they could to second this effort. A considerable amount has been subscribed, but

not enough to secure the object. Indeed it has been at no time expected that the end could be attained without a generous appropriation from the treasury of the City—an appropriation, which, under the circumstances, the Trustees have thought might not unreasonably be looked for.

As we all understand, the primary obligation rests upon the City. Under the conditions of the original gift the City itself is bound to “provide a suitable library building.” This extraordinary help is so much relief in discharging its own duty. Can we suppose that the City is likely soon to receive as much assistance from outside? Can we suppose that it is likely soon to be in a more favorable position generally, to accomplish an object of such prime importance to its credit and well being? This object is one, that at the farthest, cannot wait very long for its fulfillment, unless all self-respect as to what is due those who gave the Library is to be forfeited, unless indeed all proper use of the Library is to be abandoned.

To quote the words of President Buckham in an article published not long since in the *Free Press* :

“Apart from the legal or moral or prudential obligation resting upon the City, any one can see, that the time is at hand when there will be a physical necessity for a new building. Already the collection has outgrown the convenience which the building can offer ; very soon it will outgrow its capacity. Already the books are huddled into all sorts of holes and corners where they are with difficulty accessible. Hundreds of volumes are withheld from circulation because there is no place for them, except in remote rooms where they are piled in heaps upon the floor. The specifications and drawings of the Patent Office Reports, a collection of over three hundred (300) volumes, deposited in the Library by the United States Court for convenience of consultation by inventors and lawyers, is kept in the old County Court vault, a little room which cannot be

warmed in winter. The alternative in the case is a very simple one. Within a very brief space, three to five years at the outside, there will have to be furnished more room and more conveniences, or the Trustees will have to box up a good part of the Library and trust to Providence to preserve it from destruction by fire until more liberal counsels prevail."

We do not deem it necessary to say more again to emphasize the importance of erecting a new Library building, and of doing it *at once*.

Of course we are aware, that you are as familiar as we are with the fact, that the one altogether paramount requirement of the Library is such a building, but under the new opportunity opened, we venture *now especially* to cry aloud to you for help. We leave our common want with you, confident that you will do all that in your wisdom you see can be done for its relief, and will take all such action as is possible that the jewels entrusted to us shall be provided with a suitable casket.

We are glad once more to make acknowledgment through you for various gifts to the Library from many kind friends. The Reports of the Librarian and Treasurer are herewith enclosed.

For the Trustees,

Respectfully,

J. ISHAM BLISS,

Secretary.

Fletcher Free Library.

REPORT OF LIBRARIAN.

BURLINGTON, VT., January 1, 1892.

To the Trustees of the Fletcher Free Library :

GENTLEMEN : It is impossible to begin my usual report without a sorrowful remembrance of one who was associated with this Library from its foundation, as Secretary of the Board of Trustees. With the whole community we have mourned the death of Rev. L. G. Ware, whose taste and knowledge, whose wise direction, invaluable counsel and sympathetic support, made our duties seem comparatively light, and those with which he was connected, a pleasure. We miss one who was always pleasant and genial, always careful for the comfort and interest of others, who felt the deepest interest in matters pertaining to the City of Burlington, and especially to the Fletcher Free Library, a man of cultivated intellect, enlarged views, and generous impulses, whose life was an inspiring example, and whose death brings profound sorrow to all.

This is the seventh annual report I have presented to the Board of Trustees. Following will be found the tables usually added to the reports. They show the receipts and expenditures of the Library, its circulation, the number of accessions, gifts, and the facts to which it is our custom to call attention. The circulation for home use is but little larger this year, but the reading of books, reviews, magazines, in the Library, chiefly

for serious purposes, has increased, particularly so in the months of April and May, when at the same time there was a decrease of more than 600 volumes in books given out for home use. In 1890 the circulation was 45,828, this year it has been 46,387, an increase of only 559. The books read in the Library do not enter into this account. There have been 827 cards issued to new applicants, 13 less than last year; the cancelled registrations were more than the new cards applied for, appearing to show a remarkably fluctuating population.

About 1,000 volumes have been given out to the schools; of these 70 books went to the Primary schools, more than 600 to the Intermediate schools, about 140 to the Grammar school, 15 to the ungraded day school, the remainder to the High school.

The teachers are fully aware of the possibility of improving the children under their care by means of their reading, and we try to give them every facility that our means will admit.

Books are often in the care of the same teacher for several weeks or a whole term, and each book is used by many pupils. These volumes are carefully selected from the classes of history, biography, travel, popular science and stories suited to the age of the scholars.

The increasing number of literary clubs and classes for mutual improvement, encourages many to devote to study hours that would otherwise be wasted. We may not always be able to furnish the volumes in which the information desired can be found, but it is always a pleasure to aid in such investigations. The increased activity in these directions requires much additional work in special lines, more than can be accomplished during the hours that the library is open to the public.

One of the professors in the University took the trouble to come to the Library, look over the shelves and make lists of books that would be useful to the students on the subjects his classes were then pursuing; he gave a special list to each student

of those he ought to read, in addition to those contained in the larger University Library.

In some larger cities, leading manufacturing firms have made arrangements to take out books for the use of their employees. They send for the books, return them, and are responsible for them. A good class of books are drawn and the plan works well. This City may not now be large enough to make this necessary in order to bring the use of the Library to everyone. I mention it as a hint of what can be done.

A list of the donors, and number of volumes given to the Library is printed in the Appendix. A large number of volumes, pamphlets, etc., were given from the estate of Rev. L. G. Ware. Mr. T. H. Canfield presented the framed portraits of the three Bishops of Vermont. Mr. George L. Fletcher of Chester remembers us often. This year he sent us the original manuscript of the Mexican constitution for 1840, with autographs of Santa Anna, &c., some interesting photographs, and newspapers. Mrs. Miner and Mr. Taft continue to supply the periodicals which they have given for years. The editors of the University Cynic give us their publication. The two principal newspapers of the city send us their weekly issues, and the Free Press freely and generously makes place in its columns for lists of books and other items, helpful to the Library and interesting to the readers of the paper.

The propriety of allowing cards to be issued to children under fourteen, so that they can take out books in their own name, has been often presented to the trustees. The Boston Public Library sets its limit at the age of twelve. At the opening of the library at Quincy, Illinois, a boy of six was the first to apply for a card and book, and signed his own name and address on the registration slip.

It has been said that "no city is so small that its various libraries can afford to disregard the necessity for some common understanding as to special fields of growth. This end, kept in

view, ensures that in one of these, the student will find something on the subject required, and in time that his subject will be well represented." The sum at our disposal for buying books has been so small that our purchases have to be confined to our immediate requirements, and we have not been able to consider the question of "specialties." But even in our restricted fields this principle cannot altogether be overlooked. Notwithstanding its limitations I trust this Library will grow to be an institution whose benefits will be felt by all, as they may be shared by all our fellow-citizens.

Respectfully submitted,

SARAH C. HAGAR.

Librarian.

REPORT OF TREASURER.

FLETCHER FREE LIBRARY,

In account with S. Huntington, Treas.

1891.	Cr.
Jan. 1st, Amount of cash on hand	\$ 276 36
Dog tax for 1890	416 25
Annual interest Library Fund	636 00
Fines collected	160 00
Cash of Mrs. Julia Spear	70 00
Old Magazines sold	4 73
Books lost and paid for	4 00
	<hr style="width: 20%; margin-left: auto;"/> \$1,567 34

CONTRA.

Cash to new account	\$ 446 34
Cash paid for books and periodicals	1,121 00
	<hr style="width: 20%; margin-left: auto;"/> \$1,567 34

Attest,

S. HUNTINGTON, Treas.,

Fletcher Free Library.

APPENDIX A.

LIBRARY EXPENSES.

Salaries, Miss Hagar, Librarian	\$ 800 00
Miss Moore, Assistant Librarian	500 00
Second Assistant	137 00
Binding	388 23
Coal and wood	142 02
Gas	71 10
Printing cards, etc	43 25
Printing reports	8 00
Repairs	33 26
Cleaning	39 80
Stationery	28 45
Express and freight	7 72
Water	11 00
Incidentals	90
Total	<u>\$2,210 73</u>

APPENDIX B.

Circulation for 1891.

	Fiction and Juveniles.	Total.
January	3,102	4,750
February	3,053	4,628
March	3,068	4,669
April	2,643	3,929
May	2,350	3,670
June	2,134	3,075
July	2,193	3,072
August	2,366	3,256
September	2,211	3,346
October	2,616	4,024
November	2,605	4,003
December	2,642	3,965
	<u>30,983</u>	<u>46,387</u>

Number of volumes entered on the Catalogue of	
Accessions, January 1st, 1891.....	20,306
Books entered during the year 1891.....	648
Books not entered, estimated	4,000
Total.....	24,954

APPENDIX C.

Circulation from 1876.

	Fiction and Juveniles,	Total.
1876.....		35,448
1877.....	30,471	38,458
1878.....	25,186	35,238
1879.....	21,809	33,077
1880.....	19,579	29,432
1881.....	19,212	28,262
1882.....	18,308	26,437
1883.....	17,092	25,576
1884.....	15,027	20,173
1885.....	20,489	29,475
1886.....	27,337	37,753
1887.....	26,917	37,933
1888.....	28,701	41,948
1889.....	29,032	43,464
1890.....	30,303	45,828
1891.....	30,983	46,387

APPENDIX D.

GIFTS FOR 1891.

	Vols.	Pam.	Nos.
Allen, C. E.....		1	
American Museum of Natural History.....		2	
American Bankers Association.....		2	
Ames, J. G., <i>Washington, D. C.</i>		1	

	Vols.	Pam.	Nos.
Angell, Pres. J. B., <i>Ann Arbor, Mich.</i>		1	
Anonymous	1	3	
Arthur, J. A.		5	
Boston School of Gymnastics	1		
Burlington Free Press			52
Burlington Independent			52
Canfield, T. H.	1	1	
Catlin, Charles	1	1	
Cook, T. & Son	1		
Cooper, Mrs. E. T.			447 ^o
Denver Sun, (daily,) for the year			
Dewhurst, Rev. F. E.		10	
Elliot, Rev. L. H., <i>Waterbury, Vt.</i>		8	
Friends Book Store, <i>Philadelphia, Pa.</i>		1	
Finney, Mrs. H. A.	3		
Fletcher, G. L., <i>Chester, Vt.</i>	1	2	2
Goldie, R. H., <i>Seattle, Wash.</i>		1	
Griffis, Rev. W. E., <i>Boston, Mass.</i>	1		
Hagar, G. I.			52
Henderson, Mrs. E.	2		
Home Market Bulletin, a year			
Hunt, L. B., <i>Fairfax, Vt.</i>		1	
Huntington, S.	1		
Johnson, Mrs. H. L.	6		
Kellogg, Dr. D. S., <i>Plattsburgh, N. Y.</i>	5		
Lansing, W. “ “		1	
La Rose, W.	8		
Leveson, Jos.	18		
Libraries, Baltimore, Enoch Pratt Free.....		1	
Barrow in Furness, <i>England</i>		1	
Belfast, <i>Maine</i>		1	
Boston Public		1	
Bridgeport, Ct.		2	

	Vols.	Pam.	Nos.
Libraries, Bronson, <i>Waterbury, Ct.</i>		2	
Brookline.....		1	
Brooklyn Mercantile.....		2	
" Pratt Institute.....		1	
Chicago Public.....		16	
" Newberry.....		1	
Cleveland.....		1	
Denver.....		1	
Detroit.....		1	
Dover, N. H.....		1	
Dundee, Scotland.....		1	
Grand Rapids, Mich.....		1	
Hartford, Conn.....		4	
Harvard University.....		3	
Hopedale, Mass.....		1	
Jersey City.....		4	
Lawrence, Mass.....		1	
Leeds, <i>England</i>		1	
Los Angeles, Cal.....		1	
Lynn, Mass.....		1	
Massachusetts State.....	1		
New York State.....		2	
New York, Aquilar.....		1	
New York Free Circulating.....		1	
New York Maimonides.....		1	
New York University.....		1	
Newark.....		1	
Newton, Mass.....		1	
New Orleans, Howard Memorial....		1	
North Adams, Mass.....		1	
Pawtucket, R. I.....		1	
Providence, R. I.....		1	
Rockingham, <i>Bellows Falls, Vt</i>		1	

	Vols.	Pams.	Nos.
Libraries, St. Joseph, Mo.....		1	
St. Louis, Mercantile.....		1	
St. Louis, Public.....		2	
Salem, Mass.....		1	
San Francisco, Mercantile.....		1	
San Francisco, Public.....		2	
Stirlings and Glasgow, <i>Scotland</i> ...		1	
Swansea, Wales.....		1	
Waltham, Mass.....		1	
Worcester, Mass.....		1	
Mason, Dr. L. D., <i>Brooklyn, N. Y.</i>		1	
Mendenhall, T. C. <i>Washington, D. C.</i>		1	
Moore, L. R.....	1	1	400
Morrill, J. S.....	4	2	
Our Prison Missionary for the year Peake, Miss A.....	2		
Palmer, E. F., <i>Waterbury, Vt.</i>	1		
Page, J. M., <i>Hinesburgh, Vt.</i>		2	
Paradise of the Pacific for the year Pitkin, G. F.....	1		
Phelps, E. J.....		14	6
Pointer, The, for the year.....			
Roberts, D.....			23
Russell, J. M.....			158
Russell, S. H.....			28
Rutherford, Dr. J. C.....		1	
Sawin, James M. Providence, R. I.....		1	
Sickley, J. C. <i>Poughkeepsie, N. Y.</i>		1	
Stone, M. H.....		1	
Tuttle, Miss.....	24	4	4
Smithsonian Institution.....		5	

	Vols.	Pam.	Nos.
United States Department of Agriculture.....	2	12	
“ “ “ Education.....		4	
“ “ “ Interior.....	155		
“ “ “ State.....		13	
“ “ “ War.....	9		
“ “ Bureau of Labor.....	2		
“ “ Board on Geog. Names..		3	
“ “ Interstate Com. Com- mission.....	1		
University of Pennsylvania.....		1	
University of Vermont.....		1	
Veazey, W. G.....	1		
Ware, Rev. L. G., <i>Estate of</i>	150	67	21
Waterhouse, S., <i>St. Louis</i>		2	
Wheeler, Rev. H. L.....	2		
World's Fair Commission.....		24	
Wright, C. D.....	1		

REPORT
OF THE
HEALTH OFFICER.

To the Honorable The City Council:

In accordance with the customary usage, the Health Officer herewith submits his annual report for the year ending December 31, 1891.

Man, the most wonderful production of God's creation, is liable, from his earliest existence, to a vast number of contingencies, some one of which may terminate his life. Among these causes may be mentioned Nature's forces, war, famine, pestilence, disease and accident. Other causes which may be enumerated, acting slowly, silently, but still destructively, are poor drainage, damp cellars, unventilated houses, intoxicants, tobacco, adulterated food, etc.

Health is the main-spring of life. Truthful indeed is the declaration that it is wealth. How important then, that all means and agencies conducive to the establishment and maintenance of health in individuals, neighborhoods, and the City at large, should be readily sanctioned and rigidly upheld and supported at all times. "A word to the wise is sufficient."

But many, yea a great number of our American people, are ignorant of the first principles of sanitary science, which aid so materially to health, happiness and prosperity. Surely, such people need instruction and ought to welcome any lesson which will point out to them a duty they owe not only to themselves but to the community in which they reside.

An examination of the Mosaic law shows that great care was exercised in sanitation. As in those days, so in these should citizens be active in removing from their premises filth and pollution which are direct causes of many diseases that afflict individuals and families and often terminate fatally. It is important, therefore, that a thorough inspection be made of cellars, out-houses, privies, water closets, drains and sinks in order that foul conditions, if any exist, may be detected. Decaying fruit, putrefying animal or vegetable matter, offal and garbage ought not to be tolerated around the premises, but should be removed to the dumping ground.

A cellar should not be a mere walled-in hole in the ground, but a light, airy, clean and convenient apartment. According to its use it should be as well finished and furnished as the kitchen. Cellars ought to be thoroughly cleansed that mould may not be upon their walls spreading over everything. A vitiated and stifling odor may pervade the atmosphere of cellars, arising from dampness and putrefaction. Here lie in ambush diphtheria and membranous croup, the slayers of children; typhoid fever is also here that attacks all ages. Here lurks the seeds of consumption, bringing forth the slow but sure harvest of lamentation and woe.

Damp and cold houses are causes of disease, and houses made damp by many over-shadowing trees are dangerous places to reside in. Dampness acts as a direct cause of many constitutional diseases. Hence the necessity of well ventilated houses and plenty of sunshine in order to maintain a high degree of bodily vigor to guard against disease.

In the kitchen, the drain and sink pipes should be trapped to avoid the escape of poisonous gases. Furthermore, proper disinfectants should be used weekly to cleanse these pipes. For this purpose a copperas solution is excellent, in the following proportion; Copperas, one and one-half pounds to one gallon of hot water. Kitchen slops and garbage, thrown slovenly into

the house yard, will, in time, emit poisonous gases which often cause malaria, dysentery and diarrhœa.

Physicians feel assured that nearly all contagious and infectious diseases are produced by specific microbes, which emanate from the above sources, or are communicated from person to person. Such diseases include small pox, scarlet fever, diphtheria, measles, whooping cough, typhoid fever and consumption.

A few suggestions may serve as precautionary measures to prevent the propagation of contagious and infectious diseases when they exist in any neighborhood: Very little communication should be had between the sick family and neighbors; the patient should be early isolated from the family; one nurse is better than an often change; if death occurs, the funeral should be private and the burial soon after the dissolution.

INSPECTIONS.

The number of inspections made during the year was 105. This included privies, sewers, yards, cess pools, cellars, and cisterns, as well as the exercise of authority in having alleys cleaned, traps put in buildings, and the removal of carrion. With no desire to inconvenience anyone, I have felt it my duty to see that proper precautions were taken, and have insisted wherever necessary that the simple rules of cleanliness and decency, as well as of good sanitary regulations be properly enforced.

DUMPS.

A number of complaints have been made to me relative to the ash dumps in different parts of the city. The complaints have usually been well founded, but owing to the lack of any ordinances on the subject it has been difficult to act upon the matter. Whenever an ash dump is started it appears to be a marked spot for the deposit of all the refuse of that neighborhood, with possibly liberal additions from other parts of the

City. Perishable articles such as vegetables, fruit; fish, meat and the like, mysteriously find their way to these ash dumps, and it is not long before the place becomes foul and a nuisance. Besides this the accumulation of rubbish, if near a house, often becomes a serious annoyance. Owners of premises, having dumps on them, ought to be compelled to take reasonable care that they do not become a menace to health or particularly disagreeable to the sight.

NUISANCES.

There is no city in which nuisances do not exist to a greater as less extent. Burlington has a few of these offences against good health. During the winter months the alleys seem to be a sort of dumping ground for ashes and rubbish generally. There appears to be no way of avoiding this evil, and the house cleaning period in the spring must also be the alley cleaning time, even if stringent measures are necessary to carry it out. A particular nuisance in a city of this size is a hog pen ; clean it out to-day, and in a week it becomes a dirty, unhealthy hole. Several complaints come from these nuisances and the most vigilant health officer will be unsuccessful in keeping them in a satisfactory condition. The only way to abate this nuisance is to remove the hog pen. Hog pens exist in many sheds and stables, and I am confident that their entire banishment would insure better health. Certainly such places should not exist to the jeopardy of anyone.

LA GRIPPE.

La Grippe has prevailed in this City as elsewhere, to a considerable extent, and a few deaths, directly or indirectly, are attributable to this disease during the past two months, principally among the aged. The damp, unseasonable weather of that period was undoubtedly the cause of this disease, which seems to be no respecter of persons.

SEWERAGE.

Several complaints were received by me during the summer in regard to the unhealthy conditions at the outlet of the City sewer at the lake. Disinfectants were promptly applied in all cases and no serious injury to health resulted so far as known. In this connection I will take occasion to recommend that the outlet of the trunk sewer be carried sufficiently far into the lake to secure its discharge in deep water, and where it can be carried away by the currents.

VITAL STATISTICS

OF THE

CITY OF BURLINGTON, VERMONT,

For the Year 1891.

TABLE I. Marriages.

[illegible]

TABLE 2.—Births, Season, Nativity, Sex, Locality and Number of Mothers of each Age.

SEASON.	SEX OF CHILD		NATIVITY.										LOCALITY.					AGE OF MOTHERS.											
	Male.	Female.	FATHER.					MOTHER.					BIRTH.					No.	Age.	No.	Age.								
			United States.	Canada.	Ireland.	Other countries.	Unknown.	United States.	Canada.	Ireland.	Other countries.	Unknown.																	
January	20	17	23	8	---	6	---	23	8	---	6	---	Ward 1.	12	13	7	4	37	15	99	166	49	62	391	4	17	19	32	
February	18	14	17	10	---	5	---	24	3	---	5	---	Ward 2.	8	12	4	7	32	1	8	12	4	7	32	6	18	15	33	
March	20	6	15	9	---	2	---	15	9	---	2	---	Ward 3.	1	9	3	4	26	1	9	9	3	4	26	9	19	26	34	
April	21	19	20	19	---	1	---	24	15	---	1	---	Ward 4.	1	10	20	5	4	40	1	10	20	5	4	40	14	20	11	35
May	16	17	21	10	---	2	---	25	5	1	2	---	Ward 5.	4	7	15	3	7	33	1	7	15	3	7	33	16	21	15	36
June	20	15	23	6	3	3	---	23	2	4	6	---	Total.	1	8	11	6	6	35	4	8	11	6	6	35	25	23	17	37
July	10	23	22	11	---	---	---	24	8	1	---	---	Ward 1.	3	11	13	1	5	33	3	11	13	1	5	33	19	25	4	40
August	28	14	26	7	3	5	---	30	7	2	2	---	Ward 2.	1	10	20	3	7	41	1	10	20	3	7	41	15	26	7	42
September	11	13	16	5	1	2	---	15	7	---	2	---	Ward 3.	1	2	12	6	3	24	1	2	12	6	3	24	15	27	3	43
October	18	18	23	5	1	7	---	22	7	---	7	---	Ward 4.	9	9	12	7	8	36	9	9	12	7	8	36	18	23	10	38
November	12	14	11	7	3	2	2	15	8	---	2	---	Ward 5.	7	7	13	4	5	25	7	7	13	4	5	25	12	14	11	45
December	14	16	21	4	1	3	---	23	4	---	2	---	Total.	1	6	16	4	2	29	1	6	16	4	2	29	14	16	21	45
Totals	208	186	238	101	12	38	2	263	83	8	37	---	Ward 1.	15	99	166	49	62	391	15	99	166	49	62	391	4	17	19	32

* Twin births, 3. † Not stated.

TABLE 3. MORTUARY. Deaths, Season, Sex and Color, Social Relations and Ages.

SEASON.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Deaths.....	20	16	17	28	29	15	22	25	22	17	16	28	255
Still Births.....	3	1	1	5	1	--	--	--	3	1	2	--	17
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
SEX AND COLOR.													
White.....	23	17	18	33	29	15	21	23	24	17	16	27	263
Colored.....	--	--	--	--	1	--	1	2	1	1	2	1	9
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
Males.....	16	8	10	18	15	5	11	10	10	10	8	11	132
Females.....	7	9	8	15	15	10	11	15	15	8	10	17	140
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
SOCIAL CONDITION.													
Married.....	7	9	6	7	7	3	6	4	7	6	7	11	80
Widowed.....	5	1	3	4	8	3	3	6	4	3	3	9	52
Single.....	11	7	9	22	15	9	13	15	14	9	8	2	134
Not stated.....	--	--	--	--	--	--	--	--	--	--	--	6	6
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
AGES.													
Under 1 year.....	6	4	5	7	8	4	10	13	12	4	4	2	59
1 to 5.....	4	2	1	3	2	1	1	1	1	4	2	2	24
5 to 20.....	2	1	3	7	2	2	2	--	1	--	1	2	23
20 to 50.....	4	6	4	9	5	3	6	5	3	2	3	5	55
50 to 70.....	5	2	2	6	5	2	--	4	1	5	4	7	43
Over 70.....	1	1	1	1	4	2	2	1	4	1	3	8	29
Over 80.....	1	1	2	--	4	1	1	1	3	2	1	2	19
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
MORTUARY TABLES.—DEATHS BY WARDS.													
Ward 1.....	2	1	2	2	1	1	--	--	--	--	1	2	12
Ward 2.....	3	4	6	6	12	4	5	3	6	5	4	3	61
Ward 3.....	7	1	3	16	11	4	12	10	9	5	5	13	96
Ward 4.....	2	5	4	5	4	2	4	7	3	4	1	3	44
Ward 5.....	9	6	3	4	2	4	1	5	7	4	7	7	59
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
NATIVITY.													
United States.....	17	14	16	26	22	11	19	22	20	13	16	22	218
Canada.....	4	2	--	4	3	2	2	2	3	5	1	3	31
Ireland.....	1	1	2	1	4	1	1	--	2	--	1	3	17
Other Countries.....	1	--	--	2	1	1	--	1	--	--	--	--	6
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272

TABLE 3.—Continued. Classification of Diseases. Cass 1.—Zymotic Diseases. Class 2.—Constitutional Diseases. Class 3.—Local Diseases. Class 4.—Developmental Diseases. Class 5.—Violence.

	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total.
DISEASES—CLASSES.													
Zymotic.....	1	3	2	1	1	2	4	3	2	2	2	3	26
Constitutional.....	4	3	4	3	5	4	5	4	4	3	6	5	50
Local.....	10	7	7	22	17	5	8	13	12	10	7	18	136
Developmental.....	7	2	5	6	7	4	1	4	7	3	3	1	50
Violent Deaths.....	1	2	—	1	—	—	4	*1	—	—	—	1	10
Total.....	23	17	18	33	30	15	22	25	25	18	18	28	272
ZYMOTIC DISEASES.													
ORDER 1. MIASMATIC.													
Cholera Infantum.....	—	—	1	—	—	2	4	3	2	2	—	—	14
Measles.....	—	—	—	1	—	—	—	—	—	—	1	1	2
Scarlet Fever.....	—	—	—	—	—	—	—	—	—	—	1	1	2
Typhoid Fever.....	—	3	—	—	—	—	—	—	—	—	1	—	4
La Grippe.....	—	—	1	—	—	—	—	—	—	—	—	2	3
Puerperal Septicæmia.....	1	—	—	—	1	—	—	—	—	—	—	—	2
Total.....	1	3	2	1	1	2	4	3	2	2	2	3	26
CONSTITUTIONAL.													
ORDER 1. DIATHETIC.													
Anæmia.....	—	—	1	—	—	1	—	1	—	—	—	—	3
Cancer of Liver.....	—	—	—	—	—	—	—	—	—	1	—	—	1
Cancer of Uterus.....	—	—	—	—	—	—	1	—	—	—	—	—	1
Cancer not stated.....	—	—	—	—	—	—	—	—	1	—	2	—	3
Rheumatism with Endo Carditis.....	—	—	—	—	—	—	1	—	—	—	—	—	1
Total.....	—	—	1	—	—	1	2	1	1	1	2	—	9

*Not stated.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
CONSTITUTIONAL.													
ORDER. 2 TUBERCULAR.													
Hydrocephalus and Tuberculosis						1							1
Phthisis Pulmonalis	3	1	2	2	5	1	2	3	3	2	3	5	32
Tuberculosis of Hip Joint					1								1
Tuberculosis of Intestines				1									1
Tuberculosis		2									1		3
Tubercular Meningitis	1		1				1						3
Total	4	3	3	3	5	3	3	3	3	2	4	5	41
LOCAL—ORDER 1. NERVOUS.													
Apoplexy	1							1	2	1		2	7
Cerebral Abscess			1										1
Cerebral Hemorrhage					1								1
Cerebro Spinal Meningitis	2					1							3
Chronic Spinal Meningitis						1							1
Exhaustion from Chronic Mania					1								1
Congestion of Brain			1	1						1			3
Convulsions				2	2				1				5
Hemiplegia		1											1
Meningitis		1		2						3	1		7
Paralysis				1								1	2
Trismus									1				1
Total	3	2	2	6	4	2		1	4	5	1	3	33
LOCAL—ORDER 2. CIRCULATORY.													
Embolism Cerebral			2	1									3
Heart Disease	4		1	3		2	1	1	3	2	1	1	19
Heart Failure		1			1							2	4
Heart Failure and Embolism											1		1
Heart, Hypertrophy of				1			1						2
Aortic Stenosis												1	1
Hemorrhage (not stated)												1	1
Total	4	1	3	5	1	2	2	1	3	2	2	5	31
LOCAL—ORDER 3. RESPIRATORY.													
Bronchitis				1				1					2
Bronchitis Capillary				1	1								2
Bronchitis Chronic					2								2
Hæmoptysis										1			1
Laryngitis Acute	1												1
Lungs Congestion of					1								1
Membranous Croup												1	1
Pneumonia			1	3	3		1				1	3	12
Pleuritis								1					1
Pneumonia Pleuro						1		1				1	3
Pneumonia. Aortic Aneurism with Hemorrhage into the Pericardium					1								1
Pneumonia Typhoid			1					1					2
Pneumonia Catarrhal												1	1
Total	1		2	5	8	1	1	4		1	1	6	30

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
LOCAL—ORDER 4. DIGESTIVE.													
Bowels and Stomach, Ulceration of.....	1	—	—	1	—	—	—	—	—	—	—	—	2
Enteritis.....	—	—	—	1	—	—	—	—	2	—	—	—	3
Entero Colitis.....	—	—	—	—	—	—	1	2	—	—	—	—	3
Gastritis.....	—	—	—	—	—	—	—	1	—	—	—	—	1
Gastro Enteritis.....	—	1	—	—	—	—	3	3	1	—	1	—	9
Gastric Ulcer.....	—	1	—	—	—	—	—	—	—	—	—	1	2
Hepatitis.....	—	—	—	1	—	—	—	—	—	—	—	—	1
Liver, Cirrhosis of.....	—	—	—	—	—	—	—	—	—	—	—	1	1
Malignant Tumor of Bowels.....	—	—	—	—	—	—	—	—	—	—	—	1	1
Obstruction of Bowels.....	—	—	—	—	—	—	—	—	—	—	—	1	1
Peritonitis.....	—	1	—	1	1	—	—	—	2	—	—	—	5
Total.....	1	3	—	4	1	—	4	6	5	—	1	4	29
LOCAL—ORDER 5. URINARY.													
Bright's Disease (Niphritis).....	—	—	—	2	3	—	1	—	—	1	1	—	8
Cystitis.....	1	—	—	—	—	—	—	—	—	—	—	—	1
Diabetes.....	—	—	—	—	—	—	—	1	—	—	—	—	1
Disease Prostate and Kidneys.....	—	—	—	—	—	—	—	—	—	1	—	—	1
Uraemia.....	—	1	—	—	—	—	—	—	—	—	1	—	2
Total.....	1	1	—	2	3	—	1	1	—	2	2	—	13
DEVELOPMENTAL.													
Asthenia.....	—	—	—	1	—	—	—	—	—	—	—	—	1
Asthenia with old age.....	—	—	—	—	—	—	—	—	—	—	—	1	1
Congenital Debility.....	—	—	—	—	3	—	1	—	—	—	—	—	4
Cyanosis.....	—	—	1	—	—	—	—	—	—	—	—	—	1
Difficult Parturition.....	—	—	—	—	1	—	—	—	—	—	—	—	1
Inanition.....	1	—	—	—	—	—	—	3	1	1	—	—	6
Marasmus.....	—	—	—	—	—	—	—	1	2	—	—	—	3
Premature Birth.....	—	—	1	—	—	2	—	—	1	—	—	—	4
Protracted Labor.....	2	—	—	—	—	—	—	—	—	—	—	—	2
Old Age.....	1	1	2	—	2	2	—	—	—	1	—	—	9
Spina Bifida.....	—	—	—	—	—	—	—	—	—	—	1	—	1
Still Born.....	3	1	1	5	1	—	—	—	3	1	2	—	17
Total.....	7	2	5	6	7	4	1	4	7	3	3	1	50
VIOLENT DEATHS.													
Accident.....	1	2	—	—	—	—	2	—	—	—	—	—	5
Asphyxia.....	—	—	—	1	—	—	—	—	—	—	—	—	1
Poisoning, Carbolic Acid.....	—	—	—	—	—	—	1	—	—	—	—	—	1
Poisoning, Opium.....	—	—	—	—	—	—	—	—	—	—	1	—	1
Suicide.....	—	—	—	—	—	—	1	—	—	—	—	—	1
Total.....	1	2	—	1	—	—	4	—	—	—	—	1	9

TABLE 4.—Contagious Diseases and Deaths Resulting therefrom.

	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total.	Deaths.
Typhoid Fever.....	—	6	—	—	—	1	3	—	1	1	3	1	16	4
Dyphtheria.....	3	—	—	—	—	—	1	1	—	2	1	0	8	—
Scarlet Fever.....	—	—	—	—	—	—	—	—	1	8	3	5	17	2
Measles.....	4	4	8	—	5	13	2	—	—	—	—	11	37	—

ANALYSIS OF VITAL STATISTICS,

During the year 1891 there were 123 marriages, 391 births, and 3 twin births, 272 deaths, including 17 still-births. The excess of births over deaths shows an increase in the population of 122 by these natural events. As compared with the year 1890, there were 11 more marriages, 6 less births and 28 less deaths in 1891.

MARRIAGES.

The ratio of persons married in 1891 to the whole population was 1 to 111.

Season.—There were 15 marriages in the first quarter of the year, 34 in the second, 39 in the third, 35 in the fourth.

DEATHS.

There were 272 deaths, including 17 still-births, during the year 1891,—28 less than in 1890.

Season.—The greatest number of deaths (78) was in the second quarter of the year, and the smallest (58) in the first. The greatest monthly mortality was (33) in April, and the least, (15,) in June.

Sex.—There were deaths of 132 males and 140 females.

Color—Deaths of white persons, 263.

Deaths of colored persons, 9.

Social Relations.—One hundred and thirty-four of the deaths—including 17 still-births—were of single persons; 80 of married, and 52 of widows or widowers, and 6 not stated.

Age.—There were 59 deaths, including 17 still-births, of children under 1 year of age ; 54 of children between 1 and 5 years old ; 23 between the age of 5 and 20 ; 55 were between 20 and 50 ; 43 were between 50 and 70 ; 29 of persons 70 and over ; and 19 of persons over 80 years.

Nativity.—Two hundred and eighteen of the deceased—including 17 still-births—were born in the United States ; 31 in Canada ; 17 in Ireland, and 6 in other countries.

Diseases, Classes.—Zymotic 26, constitutional 50, local 136, developmental 50, violent deaths 9, (not stated 1.)

Deaths by Wards.—Ward I, 12 ; Ward II, 61, Ward III, 96, Ward IV, 44 ; Ward V, 59.

The greatest number of deaths, 96, occurred in Ward III ; the smallest number, 12, in Ward I.

CAUSES OF DEATH.

Under the *Zymotic* class, or diseases which are either epidemic, endemic or contagious, and which are in a measure preventable by sanitary regulations, 26 deaths are recorded. Sixteen, the largest number, were of cholera infantum ; 4 of typhoid fever ; 1 of measles ; 2 of scarlatina ; la grippe 3 ; puerperal septicæmia 2.

Season.—There was one death of cholera infantum in March, 2 in June, 4 in July, 3 in August, 2 in September and 2 in October ; 3 of typhoid fever in February, and 1 in November ; 2 of scarlatina in June ; 1 of measles in April ; of la grippe 1 in March and 2 in December ; puerperal septicæmia, 1 in January and 1 in May.

Social Relations.—Thirty-seven of the deaths in this class were single persons, and one was married.

Under the *Constitutional* class, or diseases consequent upon a bad habit of body, sometimes hereditary, or in which there is a deposit of new morbid products in various parts of the body, 50 deaths are recorded ; 32 were of consumption—1 less than in

1890—5 of cancer ; 3 of tubercular meningitis, and 36 of tuberculosis.

Season.—Deaths from consumption occurred in every month in the year.

Under the *Local* class, or diseases in which the functions of particular organs or systems are disturbed, or obliterated, and sometimes hereditary, 136 deaths are recorded ; 33 were under the order nervous ; 31 circulatory ; 30 respiratory ; 24 digestive ; 13 urinary.

Season.—Deaths in this class occurred at all seasons of the year. There were 16 deaths from pneumonia, 6 less than in 1890.

Developmental diseases, which occur incidentally to the formative, reproductive and nutritive processes, are represented by 50 deaths during the year. Under the order of children are 17 still-births, 4 cases of congenital debility, 1 of cyanosis, 4 of premature birth, and 1 of spina bifida.

Under the order of old age there were 9 deaths.

Under the order of nutrition there were 6 deaths of inanition, and 3 of marasmus.

Season.—There was nothing noteworthy in the distribution of these deaths through the year.

There were 9 deaths by *violence* in 1891; or 5 by accident; 1 by asphyxia ; 1 by opium poisoning ; 1 by carbolic acid ; 1 by suicide, and one not stated.

BIRTHS.

There were 391 births during the year 1891, or 9 less than in 1890. In this number are included 3 twin births, and 17 still-births.

The proportion of live births to population (14,590) was 1 in 38.59.

Sex.—Males, 208 ; females, 186,—or 22 more males than females.

Parentage.—Two hundred and thirty-eight fathers and 263 mothers were born in the United States; 101 fathers and 83 mothers were born in Canada; 12 fathers and 8 mothers were born in Ireland, and 38 fathers and 37 mothers were born in other countries. The nativity of two fathers was unknown.

Season.—Ninety-five births occurred in the first, 108 in the second, 99 in the third, and 92 in the fourth quarter.

Locality.—One hundred and sixty-six births occurred in the Third Ward; 99 in the Second; 62 in the Fifth; 49 in the Fourth, and 15 in the First Ward.

Twin Births.—There were three of these cases.

Age of Mothers.—The age at which women bore the greatest number of children in 1891 was 30,—27 children having been borne by mothers of that age. The youngest mother was 17 years old, and the oldest was 45. Ten children were borne by mothers 18 years old and under, and 23 by women 40 years old and over.

METEOROLOGY.

The following meteorological tables from 1840 to 1892, are appended by me to this report, and for which I am indebted to the courtesy of Mr. Charles E. Allen, and Mr. Walter B. Gates. They have been carefully prepared, and will be found both interesting and valuable.

Very respectfully,

Your obedient servant,

H. A. CRANDALL,

Health Officer.

METEOROLOGICAL OBSERVATIONS.

CITY OF BURLINGTON, VT.

Latitude 44° 29'. Longitude 73° 15'. Elevation
400 feet above tide water.

The following Tables show the range of the Thermometer at Burlington, Vt. for the last 52 years; also the Mean Temperature for each month in the year, and also the Mean Annual and General Average; also the rain-fall since 1876.

TABLE No. 1. 1840-1850.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Annual Temperature.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1840	12 20	28 40	31 40	47 00	57 20	65 60	71 60	72 50	58 30	48 00	35 60	21 10	45 70
1841	25 30	19 60	25 30	39 10	52 80	67 10	68 90	70 50	61 90	45 00	35 30	26 40	44 80
1842	22 30	26 60	35 80	44 60	53 50	63 80	70 00	70 10	57 30	47 50	34 40	21 30	45 60
1843	28 02	12 95	25 66	43 85	53 92	61 86	64 16	67 78	59 59	42 84	31 56	26 87	43 25
1844	9 91	20 33	31 00	49 50	58 50	66 50	67 10	65 60	59 90	47 00	34 10	23 40	44 40
1845	21 36	22 63	34 09	43 82	53 81	65 21	68 40	69 43	58 12	51 15	39 26	17 81	45 42
1846	19 77	15 05	33 89	47 73	57 60	64 97	69 51	70 45	64 75	45 37	41 26	23 43	46 15
1847	20 97	18 59	25 73	37 48	56 40	64 15	71 03	67 62	58 80	45 89	39 84	27 00	43 88
1848	24 17	21 09	29 03	42 89	58 86	65 02	68 39	66 82	56 41	47 24	34 81	30 01	45 39
1849	15 06	14 34	31 66	39 90	51 59	66 76	72 74	69 14	58 02	47 10	43 29	23 17	44 40
Total*	19 91	19 96	30 36	43 59	55 42	65 10	69 18	68 99	59 31	46 71	36 88	24 05	44 90

TABLE No. 2. 1850-1860.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Annual Temperature.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1850	23 74	24 32	30 47	41 35	51 64	67 12	70 03	66 03	59 69	48 25	40 38	18 65	45 14
1851	19 60	26 02	33 35	43 31	54 13	62 97	67 40	65 68	60 58	51 09	31 74	18 58	44 54
1852	14 36	23 19	28 50	39 86	56 16	64 34	71 08	66 44	59 42	47 95	35 58	30 32	44 77
1853	19 35	20 54	32 33	39 04	52 29	64 34	68 78	65 50	57 39	45 56	35 72	22 04	43 57
1854	21 27	17 39	29 49	38 46	66 50	63 09	71 80	69 17	56 06	50 05	35 51	17 29	44 67
1855	24 13	15 90	25 95	41 87	52 62	62 68	68 79	63 00	59 00	47 13	35 38	25 47	43 50
1856	13 89	16 80	24 65	43 86	52 18	65 56	71 45	63 12	57 72	46 28	35 12	18 58	42 43
1857	11 01	28 14	27 49	39 07	52 12	61 27	70 10	64 23	58 05	46 15	37 54	27 53	43 56
1858	24 53	14 88	28 36	42 03	51 53	65 99	66 47	64 32	57 09	47 95	32 07	20 36	42 97
1859	20 48	25 17	35 36	37 90	57 14	61 37	65 15	65 64	55 24	42 20	36 87	18 92	43 45
Total*	19 24	21 24	29 60	40 68	54 63	63 87	69 11	65 31	58 02	47 26	35 59	21 77	43 46

*Mean monthly average for 10 years.

TABLE NO. 3. 1860-1870.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Annual Temp'r'ture.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1860	21 80	21 30	33 20	40 40	58 40	64 90	63 80	66 00	54 50	45 40	39 80	20 80	44 20
1861	14 90	24 10	25 90	42 30	51 40	63 70	66 50	64 60	57 10	48 20	34 90	24 30	43 20
1862	16 90	17 80	28 40	38 90	54 80	61 20	65 70	64 80	58 50	46 60	32 60	22 70	42 40
1863	23 90	17 50	20 60	39 40	55 20	61 10	68 30	65 60	54 80	46 70	37 40	20 30	42 60
1864	21 40	23 90	30 00	40 00	56 10	63 20	68 30	66 80	54 00	42 50	34 80	22 30	43 60
1865	11 20	16 40	32 80	43 40	52 20	65 20	63 80	65 10	60 70	40 80	34 70	24 30	42 50
1866	13 08	20 08	25 27	44 92	49 20	62 50	68 62	60 07	55 30	46 20	37 30	22 77	42 10
1867	12 19	25 25	27 61	40 64	49 88	65 31	65 50	67 53	56 22	48 14	35 02	14 56	42 32
1868	13 71	11 82	31 16	37 53	53 84	65 05	74 00	67 41	56 29	42 58	31 68	18 90	42 00
1869	21 74	20 23	22 56	40 78	52 81	61 24	67 47	63 51	61 94	43 70	31 66	24 82	42 70
Total*	17 08	19 84	27 75	40 83	53 38	63 34	67 20	65 14	56 94	45 08	34 99	21 58	42 76

TABLE NO. 4. 1870-1880.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Annual Temp'r'ture.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1870	24 08	17 52	25 33	46 06	55 44	70 17	72 49	68 08	58 86	48 38	36 37	24 19	45 58
1871	14 90	19 69	35 80	43 83	53 91	63 65	66 34	66 35	53 13	47 89	28 56	19 22	42 77
1872	20 86	19 84	19 80	40 39	54 40	65 51	68 29	67 73	59 32	46 83	36 74	18 24	51 80
1873	19 88	18 06	28 59	41 11	52 64	64 04	69 83	64 36	57 91	47 71	28 05	26 20	51 84
1874	24 00	19 85	24 52	33 48	52 49	63 32	68 65	63 53	59 90	49 80	34 93	22 23	51 67
1875	14 50	13 79	25 39	37 51	54 47	66 79	67 94	67 85	55 20	44 30	29 44	23 50	50 07
1876	26 13	20 49	28 78	39 95	52 65	68 32	69 63	66 15	56 88	41 89	35 83	16 97	52 37
1877	15 93	28 45	29 02	43 51	55 29	66 83	69 68	67 65	61 91	46 71	39 79	29 76	46 21
1878	20 55	23 66	35 90	49 00	55 00	65 60	73 20	69 20	59 93	52 69	35 60	24 80	47 52
1879	16 40	17 30	28 40	39 70	61 00	62 80	70 30	67 00	59 10	54 70	35 00	23 60	44 61
Total*	19 72	19 87	28 15	41 45	54 73	65 70	69 64	66 79	58 21	48 09	34 03	22 87	48 44

*Mean monthly average for 10 years.

TABLE No. 5. 1880-1892.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean An'nal Temp'r'ture.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1880	29 86	24 33	27 33	43 56	60 15	63 38	68 82	65 91	60 45	48 32	29 46	21 07	45 22
1881	14 58	22 37	38 66	42 03	60 18	61 25	70 86	68 79	65 44	50 62	37 60	34 69	47 25
1882	19 77	26 71	31 40	39 57	52 11	65 80	69 96	67 47	60 46	53 35	36 49	25 13	45 68
1883	15 30	22 69	22 42	41 00	53 80	70 00	68 66	67 00	57 96	47 18	37 45	23 85	43 94
1884	13 52	25 02	29 90	43 83	55 76	70 67	71 60	66 65	65 20	48 70	36 10	26 80	46 14
1885	20 82	12 20	19 30	41 90	58 50	66 10	71 80	68 40	59 40	48 80	38 90	25 80	44 32
1886	18 10	18 20	28 60	48 40	58 00	67 00	71 40	66 37	58 60	49 40	36 10	20 20	45 03
1887	18 10	18 70	26 40	41 10	64 90	67 30	76 66	67 30	55 90	47 70	35 40	24 75	45 35
1888	10 50	18 60	26 20	42 60	57 20	68 90	71 30	70 50	58 00	42 80	37 80	27 30	44 31
1889	26 90	19 00	33 40	48 20	61 30	65 80	70 60	68 16	65 00	41 30	40 00	31 30	47 58
1890	25 50	25 00	27 62	43 00	56 00	67 64	70 70	71 58	59 62	50 12	33 50	14 80	45 42
1891	22 70	25 60	31 10	46 70	57 20	68 10	69 90	70 50	66 20	50 20	38 50	34 80	48 46
Total*	19 64	21 53	28 53	43 49	57 91	66 83	71 02	68 22	61 02	48 27	36 41	25 87	45 72

TABLE No. 6. 1840-1892.

RECAPITULATION.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Average.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1840 to 1850	19 91	19 96	30 36	43 59	55 42	65 10	69 18	68 99	59 31	46 71	36 88	24 05	41 90
1850 to 1860	19 24	21 24	29 60	40 68	54 63	63 87	69 11	65 31	58 02	47 26	35 59	21 77	43 46
1860 to 1870	17 08	19 84	27 75	40 83	53 38	63 34	67 20	65 14	56 94	45 08	34 99	21 58	42 76
1870 to 1880	19 72	19 87	28 15	41 45	54 73	65 70	69 64	66 79	58 21	48 09	34 03	22 87	48 44
1880 to 1892	19 64	21 53	28 53	43 49	57 91	66 83	71 02	68 22	61 02	48 27	36 41	25 87	45 72
Total†	19 12	20 40	28 88	42 51	55 21	64 97	69 23	66 89	58 90	49 08	35 58	23 23	45 05‡

*Mean monthly average for 12 years.

†Mean monthly average for 52 years.

‡Mean average for 52 years.

TABLE No. 7,--1877-1892--Showing the total amount of annual rain--fall, and the monthly average.

	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	Aver- age of month.
	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch.
January-----	1.43	1.52	0.78	1.87	0.88	0.44	0.93	2.14	2.36	1.68	1.87	1.06	3.57	2.05	2.85	1.69
February-----	0.32	0.79	1.11	0.62	1.79	1.10	1.07	2.68	1.40	1.06	1.67	0.79	1.59	1.98	1.01	1.27
March-----	2.52	1.65	1.45	0.97	1.56	2.34	1.15	2.89	0.86	1.32	1.87	2.56	2.35	2.11	1.70	1.82
April-----	2.53	3.06	0.97	1.78	0.62	1.23	1.37	1.92	2.58	1.68	2.21	1.93	1.51	1.93	2.77	1.89
May-----	0.95	3.05	0.38	1.46	2.27	2.00	3.67	3.60	2.48	2.61	2.00	3.26	4.28	0.12	2.16	2.75
June-----	3.11	2.49	4.52	1.33	7.89	2.59	4.69	1.36	2.52	1.98	4.38	3.95	6.26	2.57	1.48	3.41
July-----	4.06	5.18	2.71	2.30	2.22	2.37	3.15	2.95	3.80	3.94	2.22	1.47	4.09	3.33	3.48	3.15
August-----	4.74	5.18	2.39	2.26	2.69	5.07	3.68	3.24	3.41	3.22	2.80	4.10	2.48	6.76	3.25	3.68
September-----	3.45	1.13	2.82	3.26	2.34	4.41	3.33	3.22	3.50	3.73	2.01	5.68	4.82	3.84	2.44	3.33
October-----	6.33	4.78	1.36	6.22	1.54	1.41	3.27	3.82	4.77	1.25	1.99	3.94	3.32	2.02	3.02	3.27
November-----	2.21	3.38	3.56	2.57	1.30	1.47	1.59	2.95	3.94	4.29	4.67	3.60	2.46	2.31	2.73	2.87
December-----	1.46	3.24	2.22	0.62	1.89	1.60	1.44	2.60	2.07	1.70	3.44	1.63	1.48	1.90	2.23	1.97
Total-----	24.77	34.81	32.10	25.26	26.99	26.03	29.34	33.37	33.69	28.47	31.13	33.97	38.21	36.92	29.12	
Monthly average for each year	2.06	2.90	2.68	2.10	2.25	2.17	2.44	2.78	2.81	2.37	2.59	2.83	3.18	3.08	2.43	2.59

REPORT OF THE CITY PHYSICIAN.

H. A. Crandall, M. D., Health Officer:

DEAR SIR:—During the past year there has been considerable sickness among the poorer class of the City, especially during the period of “La Grippe.”

I have had frequent calls and have attended cordially to all who applied.

I have visited the Poor Farm from one to three times a week; but with the exception of common diseases, there have been no serious cases and no death to be recorded during the year. I have always found the Poor House kept very clean and to the satisfaction of all the inmates.

Respectfully submitted,

A. A. LETOURNEAU, M. D.

City Physician.

BURLINGTON, VT., January 20, 1892.

REPORT
OF THE
BOARD OF
STREET COMMISSIONERS.

To the Honorable the City Council:

GENTLEMEN:—The Board of Street Commissioners would respectfully make the following report for the year ending December 31, 1891:

Cash on hand in City Treasury, January 1, 1891, \$1,879.11, and from collection of the 15% due us and the 9% extra appropriation for 1891, \$25,440.00, making total amount available for street purposes for the year 1891, \$27,319.11, and have expended for all street purposes during the year \$24,605.18, and have on hand in City Treasury, cash, \$1,830.97 and accounts due for individual work \$882.96, making total amount on hand January 1, 1892, \$2,713.93, which sum would have been sufficient to have built Peru street extension, had not an appeal been taken from the report of the Street Committee of 1890.

In the Sewer Department we have received from the City Treasurer, amount appropriated by the city for 1891, \$4,500.00, and collections made by the Treasurer, \$4,019.29, making a total for sewer purposes, \$8,519.29, which has been expended as follows: Overdraft for 1890, \$825.79; Herald Stevens for work done in this department, \$7,692.38, and F. P. Stearns for professional work in looking over and reporting in regard to our

sewer system, \$402.32, which leaves this department overdrawn to the amount of \$401.20; but we have uncollected assessments due the department for work done amounting to \$1,813.67. The amount of \$402.32, paid Mr. F. P. Stearns, was for extra work done by your order, and should have been paid out of the Incidental Department, in which case this department would not have been overdrawn.

You will notice in the report of our Superintendent that we paid for work done by the crusher, \$159.10, which if left unexplained might leave the impression that this amount was for all work done by the crusher during the season; but we have paid for work done by the crusher, \$4,405.44, which paid for crushing 4750 tons of stone which has been charged to the different streets, except the above mentioned \$159.10, which was for crushed stone sold and delivered to private individuals.

You will notice that we have built a city barn at an expense of \$2,006.44, and we now have a convenient and well arranged building in which to keep all of our horses, also such storage room as is needed for carts, wagons, etc.

We have decided to extend Pine street to Park avenue; also to open a street from Pine street extension to the lake, and were in hopes satisfactory arrangements could be made with the parties through whose land Pine street is to be extended so that the road could have been built the present winter, but having failed in this we were compelled to proceed according to instructions in City Charter in regard to opening streets, and make assessments on the parties owning the land, thereby causing a delay in opening the streets.

We now have 125 electric lights, which cost the city in 1891, \$9,995.05, but we think there should be a few more added to our present number, also believe it to be for the interest of the city to have at least 25 of these lights burn all night.

We also believe something should be done with our sewer system to obviate the increasing offensiveness occasioned by the

accumulation of sewage at the outlet of our sewer at the lake, either by adopting the plan suggested and recommended by Mr. Stearns, the Sanitary Engineer of the Board of Health of Massachusetts, whom we employed as an expert to look over our sewer system and report, and whose report is now on file in the City Clerk's office, or such other method as you in your judgment may think best.

We thank you for the generous amount given us for street purposes for 1891, and for the good name of our city we trust you will be fully as generous in your appropriation for 1892.

We also thank you for the courteous treatment received from you in all matters pertaining to our work during the past year.

For particulars of expenditures we refer you to the following report of the Superintendent of Streets, which gives you an itemized account of all work done by us during the season.

Respectfully submitted,

N. K. BROWN,	}	<i>Street Commissioners.</i>
GEO. W. BECKWITH,		
JOHN G. BACON,		

REPORT

OF THE

Superintendent of Streets.

To the Honorable Board of Street Commissioners of the City of Burlington.

GENTLEMEN :—I have the honor to present herewith my report for the period, January 1st, 1891 to January 1st, 1892.

SEWER DEPARTMENT.

RECEIPTS.

Cash from City Treasurer.	\$7692 38
--------------------------------	-----------

DISBURSEMENTS—BASINS.

Adams street.....	\$ 65 63
Battery and King streets.....	154 47
Champlain street.....	3 25
College street.....	33 75
College and Willard streets.....	137 25
College and Williams streets.....	125 20
First street.....	19 45
King and Champlain streets.....	127 06
Maple and Summit streets.....	148 25
North avenue.....	28 62
North street.....	37 40
North street and Winooski avenue.....	116 75

Pearl and Clarke streets.....	\$ 64 23
St. Paul and King streets.....	129 20
Shelburne street.....	39 51
Union street.....	64 05
Union street and Hickok place.....	51 58
Cleaning basins.....	107 07
General repairs, basins.....	8 50

SEWERS.

Adams street.....	\$ 348 90
Cedar street.....	401 99
North street.....	2,229 80
Rose street.....	360 93
St. Paul street.....	257 04
School street.....	99 97
Summit street.....	960 19
Winooski avenue.....	219 17
Repairs, sewer, Church street.....	700 26
Repairs, sewer, College street.....	301 77
R. R. drain.....	50 42
General repairs, sewers.....	300 72
	<hr/>
	\$7,692 38

BUILDINGS AND PARKS.

RECEIPTS.

Cash from Buildings and Parks Department.....	\$ 223 88
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DISBURSEMENTS.

City Hall.....	\$ 19 72
City Market	45 31
Battery Park.....	130 60
City Hall Park.....	20 00
Fletcher Free Library Building.....	8 25
	<hr/>
	\$223 88

FIRE DEPARTMENT.

RECEIPTS.

Cash from Buildings and Parks Department.....	\$11 26
---	---------

DISBURSEMENTS.

Ethan Allen Engine Company.....	\$3 98
Howard Hose Company.....	4 85
Star Hose Company.....	2 43
	<u> </u>
	\$11 26

STREET DEPARTMENT.

RECEIPTS.

City team earnings.....	\$1,828 20
Crusher.....	159 10
General repairs.....	48 35
Individual accounts.....	1,672 50
Old bills.....	364 09
Sales of numbers.....	3 20
Tools and stock.....	68 79
U. V. M. sewer.....	684 37
Water department.....	176 21
Cash from City Treasurer.....	28,692 91
	<u> </u>
	\$33,697 72

DISBURSEMENTS.

Adams street.....	\$ 111 21
Bank street.....	2 80
Barrett street.....	2 90
Battery street.....	8 34
Blodgett street.....	21 59
Bradley road.....	30 35
Bright street.....	5 40
Buell street.....	20 00
Cedar street.....	8 01
Champlain street.....	6 16

Chase street.....	\$	1 17
Cherry street.....		3 75
Church street.....		13 65
Clarke street.....		99
College street.....		334 99
Colchester avenue.....		16 23
Decatur street.....		5 07
East avenue.....		9 80
First street.....		76 48
Front street.....		7 37
Grove street.....		14 36
Hickok place.....		3 75
Howard street.....		22 29
Hyde street.....		5 17
Institute road.....		6 50
Interval road.....		170 38
King street.....		4 20
Main street.....		93 12
Mansfield avenue.....		14 65
Maple street.....		312 31
Murray street.....		3 20
North avenue.....		109 16
North Bend street.....		13 21
North street.....		30 93
Park avenue.....		37 65
Pearl street.....		16 80
Peru street.....		2 50
Pine street.....		38 70
Poplar street.....		6 45
Prospect street.....		66 35
St. Paul street.....		116 89
School street.....		46 37
Shelburne road.....		236 20
Spear street.....		7 40

Spring street	\$ 1 75	
Spruce street	26 10	
Summit street	55 33	
Union street	61 52	
Willard street	25 85	
Williams street	6 82	
Williston road	29 35	
Winooski avenue	185 53	
Winooski road	104 48	
	<hr/>	\$ 2,561 53

CURBING.

Curbing Adams street	\$ 169 00	
“ Battery street	55 48	
“ Champlain street	47 48	
“ Cherry street	8 20	
“ College street	690 55	
“ Elm street	18 91	
“ King street	372 05	
“ Main street	15 90	
“ Maple street	4 00	
“ Pine street	21 03	
“ Prospect street	20 64	
“ St. Paul street	102 24	
“ Union street	47 33	
“ Willard street	171 87	
“ Williams street	32 80	
General repairs curbing	94 81	
	<hr/>	\$ 1,872 29

FLAGGING.

Flagging College street	\$ 23 83	
“ Maple street	3 50	
“ North street	3 50	
“ Willard street	60 22	
“ Winooski avenue	3 50	
General repairs flagging	73 44	
	<hr/>	\$ 167 99

GRAVELLING.

Gravelling College street.....	\$	137	99	
“ North avenue.....		36	40	
“ North street.....		178	91	
“ Pearl street.....		76	50	
“ Prospect street.....		139	17	
“ Summit street.....		131	76	
“ Willard street.....		10	50	
“ Williston road.....		70	40	
“ Winooski road.....		168	00	
				\$ 949 63

MACADAMIZING.

Macadamizing College street.....	\$	559	50	
“ Howard street.....		203	45	
“ King street.....		2,786	23	
“ Pearl street.....		749	36	
“ Union street.....		2,421	28	
“ Willard street.....		461	67	
“ Winooski road		467	88	
				\$ 7,649 37

PAVING GUTTERS.

Paving Adams street	\$	104	33	
“ Champlain street		19	53	
“ College street.....		505	27	
“ King street		262	64	
“ Main street		14	30	
“ St. Paul street.....		76	19	
“ Union street		28	40	
“ Willard street		110	34	
General repairs paving		66	22	
				\$ 1,187 22

SIDEWALKS.

Sidewalks Adams street.....	\$	28 60	
“ Battery street		15 17	
“ Champlain street.....		14 75	
“ Colchester avenue		49 28	
“ College street		351 65	
“ King street.....		186 07	
“ Main street		20 35	
“ North avenue.....		4 68	
“ Pine street.....		13 99	
“ Prospect street		21 00	
“ St. Paul street		59 89	
“ Union street		42 23	
“ Willard street.....		14 42	
“ Williams street.....		15 75	
“ Winooski avenue		3 55	
		<hr/>	
	\$		841 38

MISCELLANEOUS.

Bridge, Heineberg.....	\$	113 74
Bridge, Winooski.....		178 16
City Barn.....		2,006 44
City team account		1,741 87
Cleaning streets		1,175 04
Crossings		403 92
Crusher account		159 10
General repairs		1,525 84
Health department.....		12 39
Individual accounts.....		2,906 85
Repairing tools.....		451 55
Salary City Engineer.....		500 00
Salary Street Commissioners from May 1st. 1891, to January 1, 1892.		233 32
Salary Superintendent \$800, less amount charged to sewers.....		545 00

Numbers.....	21	
Snow work.....	965	61
Tools and stock.....	1,123	96
U. V. M. sewer.....	684	37
Water department account.....	176	21
Trimming trees.....	132	19
Cash paid City Treasurer from collections	3,411	75 18,468 31
		<hr/>
		\$33,697 72

RECAPITULATION.

RECEIPTS.

Cash from City Treasurer.....	\$36,385	29
City teams earnings.....	1,828	20
Cash from all other sources.....	3,411	75
	<hr/>	\$41,625 24

DISBURSEMENTS.

Sewer department.....	\$ 7,692	38
Buildings and Parks department.....	223	88
Fire department.....	11	26
Street department.....	33,697	72
	<hr/>	\$41,625 24

We, the undersigned, have examined the accounts and vouchers of Herald Stevens, Superintendent of Streets, from January 1, 1891, to January 1, 1892, and find the same correct.

M. H. STONE,	} <i>Auditors.</i>
H. R. WING,	
W. C. ISHAM,	

Besides the expenses shown thus far in my report of Street and Sewer Departments, the City Treasurer has paid certain bills which appear in the following statements. These statements show the actual condition of these departments, excepting that the balance to the credit of the Street Department will

be increased, by good accounts due the department, and by stock on hand, to the amount of about \$1,500.00.

In the Sewer Department there are assessments still unpaid, which, when paid, will give that department a credit balance of \$1,412.47.

SEWER DEPARTMENT.

RECEIPTS.

Appropriation	\$4,500 00	
Collections, sewer assessments.....	4,019 29	
Overdraft to balance.....	401 20	
	<u> </u>	\$8,920 49

DISBURSEMENTS.

Overdraft, January 1, 1891.....	\$825 79	
Paid F. P. Stearns.....	402 32	
Paid H. Stevens, Superintendent.....	7,692 38	
	<u> </u>	\$8,920 49

STREET DEPARTMENT.

RECEIPTS.

Collections, Highway tax.....	\$25,440 00	
Balance, January 1, 1891.....	1,879 11	
Public Buildings and Parks Department.....	335 14	
H. Stevens, accounts collected.....	3,076 61	
	<u> </u>	\$30,730 86

DISBURSEMENTS.

Paid Burlington Gas Light Company...	\$ 8 73	
A. R. Dow.....	100 00	
S. B. and F. Howe.....	30 00	
Mrs. Grogan.....	13 90	
R. McLaughlin.....	15 00	
E. Lyman & Co.....	39 35	
H. Stevens, Superintendent.....	28,692 91	
Balance	1,830 97	
	<u> </u>	\$30,730 86

During the past year there have been constructed thirteen sewers, or extensions of sewers, all in accordance with the City's sewer plan.

The following table gives these sewers with their size, material and cost of construction.

SEWERS.	SIZE.	SHAPE.	MATERIAL.	LENGTH.	ASSESSED CITY.	ASSESSED PROP'TY.	TOTAL COST.
Adams street.....	12 inch.	circular	akron tile.	398.5 ft.	\$ 109 40	\$ 239 50	\$ 348 90
Cedar street.....	12 " "	" "	" "	304.5 " }	134 49	267 50	401 99
Church street.....	10 " "	" "	" "	173.5 " }	700 26		700 26
College street No. 1	15 " "	" "	" "	391 " "			
College street No. 2	12 " "	" "	" "	68 " "	301 77		301 77
College street No. 2	12 " "	" "	" "	313 " }	965 34	1,264 46	2,229 80
North street.....	18 " "	" "	" "	809 " }			
Rose street.....	15 " "	" "	" "	633 " "	100 49	260 44	360 93
St. Paul street.....	12 " "	" "	" "	413 " "	152 23	104 81	257 04
School street.....	12 " "	" "	" "	292 " "	33 73	66 24	99 97
Summit street.....	12 " "	" "	" "	140 " "	149 68	810 51	960 19
Union street.....	12 " "	" "	" "	817.5 " "			
Winooski avenue.....	12 " "	" "	" "	60 " "	24 42	194 75	219 17
Williston road.....	10 " "	" "	" "	222.5 " }	40 00		40 00
				74. " }			
Totals.....				5169.5 ft.	\$2,711 81	\$3,208 21	\$5,920 02

The expense incurred in the construction of the three sewers, College street No. 1, Union street and Williston road, was charged to the account of General repairs sewers.

Adams street sewer extends from a man-hole, this year constructed near the centre line of St. Paul street, eastwardly, in the centre line of Adams street, to a man-hole this year con-

structed, which is seven feet east of the present center line of Church street, the distance being 398.5 feet.

Cedar street sewer extends from a man-hole, this year constructed in the centre line of Rose street, eastwardly in the centre line of Cedar street, a distance of 304.5 feet, of 12 inch diameter, to a man-hole this year constructed in the centre of Lafountain street. Thence, eastwardly, a distance of 173.5 feet, of ten inch diameter, to a lamp-hole, this year constructed.

Church street sewer extends from a man-hole previously built in Main street, northwardly a distance of 109 feet to a lamp-hole. Thence 110 feet to a lamp-hole at Mechanics street. Thence 172 feet to a man-hole in the centre line of College street. The old sewer being in a very poor condition and not deep enough to admit of good facilities for drainage, it was considered advisable to relay it, inasmuch as the street, will, probably, be extensively improved the coming season.

College street sewer No. 1, extends easterly from the terminus of the sewer previously built to the center line of Church street. This sewer was built expressly to relieve the Church street sewer north of College street, while the sewer in Church street south of College street was being relaid.

College street sewer No. 2, extends easterly from a point eleven feet east of the center line of Union street, a distance of 313 feet. This sewer was relaid, owing to the poor condition of the old sewer, and on account of the necessity of lowering it to admit of better facilities for drainage, especially as extensive improvements were being made in the matter of bringing the street to grade, and macadamizing it.

North street sewer extends from a man-hole previously constructed in the center lines of North street and Elmwood avenue, a distance of 592 feet, of eighteen inch diameter, to a man-hole in the centre line of Winooski avenue leading north. Thence 515 feet, of fifteen inch diameter, to a man-hole in the centre line of Union street. Thence 277 feet, of eighteen inch diame-

ter, to a man-hole in the centre line of Hyde street. Thence 118 feet, of fifteen inch diameter to a man-hole at the intersection of the center lines of North and School streets.

Rose street sewer extends from a man-hole, previously constructed in the centre line of North street, northwardly, a distance of 413 feet, to a man-hole, this year constructed at the intersection of the center lines of Rose and Cedar streets.

St. Paul street sewer extends from a man-hole previously constructed in St. Paul street at the ravine sewer, southerly, a distance of 292 feet, to a man-hole at the centre line of Adams street.

School street sewer extends from a man-hole previously constructed in the centre line of School street, northerly, a distance of 140 feet, to the centre line of North street.

Summit street sewer extends from a man-hole previously constructed in the centre line of Main street, southwardly, a distance of 453 feet to a lamp-hole. Thence 364.5 feet to a man-hole, this year constructed in the centre line of Maple street.

Union street sewer extends from a lamp-hole previously built in the centre line of Union street, a distance of 60 feet, to a man-hole in the centre line of North street.

Winooski avenue sewer extends from a lamp-hole previously constructed in the centre line of Winooski avenue, which is 656 feet north of the centre line of Grant street, northerly, a distance of 222.5 feet, to a man-hole, this year constructed, which is 44 feet south of the centre line of North street.

The railroad drain, so-called, extends from the Battery street sewer, eastwardly, a distance of 190 feet. It was built to drain the low grounds east of the railroad track.

A private sewer was constructed by the department this year, in Williston road, at the entire expense of the University of Vermont, with the exception of 74 feet, which cost the city \$40.00. The total length of the sewer is 1,356 feet.

A general care of the sewers previously constructed has been exercised, and its expense charged to the account of General repairs Sewers.

There have been built during the year nine corner and eight side basins, chiefly in connection with the above mentioned sewers. Their position is shown in the previous portion of this report.

In the Public Buildings and Parks Department, and in the Fire Department, the expenses incurred have been for small repairs, ordered by their respective committees, the above departments, reimbursing the Street Department.

A new street, situated at the Ferguson and Scarff Addition, called "Briggs" street, has been added to the list of streets in this City, during the past year. It was brought to grade at the expense of the property owners, and its dedication was accepted by the City, upon the recommendation of the Street Commissioners.

In the Street Department, mention will be made of only those expenses that have been of comparatively large amount, as a general supervision has been extended to all the streets of the City.

College street was macadamized from Union street eastwardly, as far as the repairs on the sewer were made, a distance of about 350 feet, it being necessitated by the street being brought to grade.

Howard street was macadamized from Pine street eastwardly, a distance of 375 feet.

King street was macadamized from St. Paul street to the railroad track. The foundation was made of rubble and dressed with the different grades of crushed stone. The rubble was delivered at the dock at a cost much less than crushed stone.

Pearl street was macadamized from Williams street to Prospect street.

Union street was macadamized from Howard street to the junction of Shelburne and Willard streets.

Willard street was macadamized from College street, southwardly, a distance of 225 feet.

Winooski road was macadamized from a point near the brick yard, westwardly, a distance of 800 feet. The foundation was made of broken stone from 12 to 18 inches deep as the soil required and dressed with gravel.

College street was gravelled from Williams street to Prospect street.

North street was gravelled from Elmwood avenue to Hyde street.

Prospect street was dressed with gravel from Main street to Maple street.

Summit street was dressed with a light coat of gravel from Maple street to Cliff street.

Union street was dressed with crushed stone from College street to Main street.

Williston road was dressed with gravel from East avenue to Spear street.

Winooski road was gravelled from Prospect street to Winooski avenue.

Winooski avenue was dressed with crushed stone from Pearl street to Grant street.

Adams street was curbed, and the gutters paved on both sides from Union street to Elm street and for the same distance, the sidewalk on the north side was concreted, 4 feet in width.

College street was curbed and the gutters paved on both sides from Union street to Prospect street and the sidewalk on the north side was concreted, 6 feet in width for the same distance, with the exception of that part in front of the High School premises, which was flagged. The sidewalk on the south side was concreted 6 feet in width, from Union street to Willard street.

King street was curbed, the gutters paved and the sidewalks concreted, 5 feet in width, on both sides from St. Paul street to the railroad track.

St. Paul street was curbed, and the gutters paved on both sides from King street to Main street, and the sidewalk on the west side was concreted 8 feet in width, and the sidewalk on the east side, opposite the American Hotel property was concreted, 5 feet in width, a distance of 125 feet.

Willard street was curbed and the gutters paved on both sides from College street to Main street, and for the same distance, the sidewalk on the west was concreted 5 feet in width.

The sidewalk on the east side of Williams street was concreted, 5 feet in width from College street to Pearl street.

The expense on Interval road was incurred by repairs, necessitated by washouts, caused by the river overflowing its banks, and by the building of a dike, which was considered advisable by the Street Commissioners. The property owners in that vicinity shared part of the expense of the building of the dike.

The greater part of the expense of the Winooski bridge was caused by its being thoroughly painted.

Heineberg bridge was planked anew for about one-half of its length.

First street was widened at the old railroad cut.

Considerable grading was done on Maple street between Church street and St. Paul street.

Large repairs were made on Shelburne street between G. N. Willard's and Park avenue, and the street was turn-piked from Park avenue to the Home for Destitute Children.

Thirteen street crossings have been laid during the year, as follows :

One across Battery street at King street, north side, of stone.

One across Champlain street at Monroe street, south side, of stone.

One across Champlain street at King street, south side, of concrete.

One across Champlain street at King street, north side, of concrete.

One across College street at Winooski avenue, east side, of concrete.

One across College street at St. Paul street, east side, of concrete.

One across College street at Battery street, east side, of concrete.

One across Church street at Pearl street, south side, of concrete.

One across King street at Pine street, west side, of concrete.

One across Monroe street at Champlain street, east side, of stone.

One across St. Paul street at King street, north side of concrete.

One across Union street at College street, north side, of concrete.

One across Union street at College street, south side, of concrete.

There was a large amount of concrete laid in the city during the past year, as the following table shows.

WHERE LAID.	AMOUNT.
Ten street crossings.....	301.68 square yards.
Adams street sidewalk	253.23 " "
College street sidewalk	2260.70 " "
King street sidewalk.....	1592.87 " "
St. Paul street sidewalk	675.32 " "
Willard street sidewalk.....	430.97 " "
Williams street sidewalk.....	654.25 " "
City Hall Park walks.....	1868.12 " "
Private work.....	761.54 " "
Total.....	8798.68 square yards.

The following table shows the amount of curbing, paving and flagging done, and concrete walk built during the year:

	Curbing.	Paving.	Flagging.	Concrete Walk.
Adams street.....	922 ft.	922 ft.	ft.	461 ft.
Battery street.....	54	54		
Champlain street.....	118	52		
Cherry street.....	69			
College street.....	4,264	4,264	140	2,884
Elm street.....	63	63		
King street.....	2,564	2,564		2,404
Main street.....	150	150		168
Pine street.....	23	23		
Prospect street.....	37	37		
St. Paul street.....	591	591		558
Union street.....	17	17		
Willard street.....	934	814	354	604
Williams street.....	63	63		1,085
Totals.....	9,869 ft.	9,614 ft.	494 ft.	8,164 ft.

Respectfully submitted,

HERALD STEVENS,

Superintendent of Streets.

REPORT
OF THE
CITY ENGINEER.

To the City Council of the City of Burlington :

GENTLEMEN :—The annual report of the City Engineer for the year 1891 is respectfully submitted herewith :

It is necessarily a brief one, as the work with which he is connected is already described in detail by the Superintendent of Streets. There remain only a few remarks to be made, and the usual tables to be furnished.

All street and sewer work is laid out by the Engineer, record kept of the same, and maps made for the complete preservation of such record, for future reference. Numerous grades and lines have been furnished where occasion demanded. Surveys and maps have been made for the establishment of grades on many streets where previously none were established, also for the proposed extension of Pine street, and for a street westward from it to the Lake.

Street center marks have been renewed, where occasions of work required their temporary removal, and level benches have been multiplied as the carrying out of other work gave opportunity.

As will be seen by the tables, nearly a mile of sewer has been laid, and more than a mile of macadamized road has been constructed.

All details of these and other important works are fully given in the report of the Superintendent of Streets.

As to other work done by this office, perhaps the most important has been the furnishing of plans, profiles, and other information in connection with the proposed improvement of the condition of the main sewer outlet. Its present condition is probably known to you all.

During high and average water, there is nothing especially offensive about it, but as the water recedes there is left an accumulated deposit, spread over quite an area, exposed to the action of the sun and air, making a condition of things which demands attention. This has existed for only a few years, but has increased to such an extent that it should now be remedied. Temporary remedies have of course been used each season to care for the trouble as well as possible, but a permanent one is required.

For a solution of the question, it was thought best to obtain the opinion of an expert in such matters, so that whatever action was taken might be based upon all available information.

For this purpose, F. P. Stearns, Esq., Chief Engineer of the State Board of Health, Massachusetts, was employed, and after a careful study of the subject, furnished with all the information possible, he has made a complete and able report, containing a proposed solution of the matter and accompanied by a full set of plans.

These with the report, are on record at the office of the City Clerk, where they can be examined by all interested. No description of them is advisable in the limits of this report.

During the past year, where streets have been permanently improved with macadam, etc., all sewer connections have been made to the side of the street, to prevent so far as possible, the need in the future of tearing up the improvement.

As to the extension of the work of this office, I can only reiterate what has been said in several previous reports of the

City Engineer. This has been in reference to the renewal of obliterated street lines, establishment of new ones, adoption of grades on streets which now have none recorded, an increase in the number of level benches, the filling up of the set of street numbering maps, the making of an accurate map of the whole City, and some smaller items of work.

As to the item in the following tables, giving the length of roads in the city limits, I would say that the $56\frac{1}{4}$ miles include all streets, both those accepted by the City and those which are opened but not yet accepted. The length of the latter is not very considerable and is mostly included in the "Addition to Burlington" lately opened :

Population of the City by census of 1890.....	14,590
Grand list of the City, 1891.....	\$106,430 79
Length of roads in city limits.....	$56\frac{1}{4}$ miles.

In 1891. Totals.

Length of macadamized and paved roads.....	5,855 ft.	8.849 miles.
“ “ gravelled roads	1,408 “	12.189 “
“ “ sidewalk curbed and flagged....	494 “	8.580 “
“ “ “ “ “ concreted,	6,622 “	1.817 “
“ “ “ “ only.....	3,167 “	5.373 “
“ “ “ concreted only.....	2,803 “	0.782 “
Number of stone crossings.....	3	167
“ “ concrete “	10	10
“ “ street basins.....	17	126
“ “ sewer connections.....	74	
“ “ “ “ (total since 1887)		303
“ “ street lights (electric).....	5	125
“ “ street letter boxes.....	3	40
“ “ P. O. package “	4	4
“ “ fire alarm “	2	26
“ “ hydrants		172

LENGTH OF SEWERS BUILT IN 1891.

10 inch	Vitrified pipe	247.5 feet.
12 “	“ “	2716.0 “
15 “	“ “	633.0 “
18 “	“ “	869.0 “

Total, 1891 4465.5 feet.

SEWERS RELAID, 1891.

12 inch	Vitrified pipe, College street	313 feet.
15 “	“ “ Church street	391 “

704 feet.

TOTAL LENGTH OF SEWERS.

SIZE.	CEMENT PIPE.	BRICK.	VITRIFIED PIPE.	STONE.	TOTALS.
8 inch.	365 ft.	-----	1,017.3 ft.	-----	1,382.3 ft.
10 “	-----	-----	1,678.0 “	-----	1,678.0 “
12 “	9,680 ft.	-----	37,231.9 “	-----	46,911.9 “
15 “	-----	976.0 ft.	3,362.0 “	-----	4,338.0 “
18 “	3,840 ft.	1,788.2 “	4,243.5 “	-----	9,871.7 “
20 “	-----	-----	202.5 “	-----	202.5 “
24 “	360 ft.	1,748.0 “	1,207.5 “	-----	3,315.5 “
30 “	-----	2,602.0 “	-----	-----	2,602.0 “
36 “	-----	5,079.9 “	-----	-----	5,079.9 “
48 “	-----	1,047.5 “	-----	-----	1,047.5 “
36-48 “	-----	-----	-----	1,600 ft.	1,600.0 “
60 “	-----	125.0 ft.	-----	-----	125.0 “
72 “	-----	600.0 “	-----	-----	600.0 “
Totals.	14,245 ft	13,966.6 ft.	48,942.7 ft.	1,600 ft.	78,754.3 ft.

Equal to 14.915 miles.

Respectfully submitted,

ALBERT R. DOW,

City Engineer.

REPORT
OF THE
Water Commissioners.

To the Honorable the City Council:

GENTLEMEN :—The Board of Water Commissioners would respectfully make the following report for the year ending December 31, 1891.

The receipts for water reported by the City Treasurer have been \$35,589.19, an increase over the previous year of \$2,299.40. The report of the Superintendent herewith presented will give the necessary information of the detailed work of the year.

We note with satisfaction the increase in the number of meters, and the decrease in the amount of cement pipe in use.

Several cities are now supplying their water takers with meters, free of cost, finding compensation for such expenditure in reduced waste, which means fewer hours of pumping, less wear of pumps, and a less amount required for fuel and supplies. Were it not for our water meters we would undoubtedly be obliged to run our pumps night and day, and would probably receive considerable less revenue from the water sold. We think that the city should own all meters, and that it would be a good investment to meter every service where the service rates exceed ten dollars on premises where there is a sewer connection.

We would again suggest the advisability of having the water collections made in the office of the Superintendent. This work

has increased largely in the past few years, owing to the growth of the City, and the increase in the number of meter bills. It would seem to be good business policy, to consolidate all the business pertaining to the Water Department in one office, instead of having the responsibilities divided, and the work of making collections crowded into the office of the City Treasurer, where without it, there is an abundance of work. We do not advocate this change from any selfish motive, as it would add largely to the responsibilities of the Superintendent and Commissioners, but we consider that it would be beneficial to the Water Department, and more convenient for the public, and would be in line with the general policy of improvement that we are endeavoring to carry out.

Respectfully submitted,

F. H. PARKER,	}	<i>Water</i> <i>Commissioners.</i>
A. H. PARKER,		
J. W. GOODELL,		

TWENTY-FIFTH ANNUAL REPORT
OF THE
Superintendent of Water Works.

To the Honorable Board of Water Commissioners of the City of Burlington:

GENTLEMEN:—The following is a statement of the receipts and disbursements of the Burlington City Water Works, for the year ending December thirty-first, 1891:

AVAILABLE FUNDS FOR THE USE OF THE WATER DEPARTMENT.

Balance from 1890.....	\$ 103 81	
Less bills paid by the City Treasurer.....	15 50	\$ 88 31
Sale of pipe, meters, etc.....		3,545 28
Appropriations		21,100 00
Total.....		\$24,733 59

RECEIPTS.

From G. D. Weller, City Treasurer.....	\$24,479 91
Unexpended balance.....	\$253 68

DISBURSEMENTS—CONSTRUCTION.

Gates.....	\$ 104 00
Gate and cut-off boxes.....	112 00
Service pipe and fittings.....	200 00

Labor on services.....	\$ 242 60
Labor on mains.....	1,358 29
Cast-iron pipe, packing and lead.....	2,000 01
	<hr/>
	\$ 4,016 90

CURRENT.

Pay rolls.....	\$ 2,804 73
Material purchased and used for and at the expense of others.....	1,319 23
F. H. Crandall, Superintendent, salary one year.....	1,000 00
Material for management and repairs	860 61
Gate and cut-off boxes.....	505 60
Horse keeping, shoeing, repairs, etc.....	367 57
Office expenses.....	310 01
Bills for labor.....	197 03
Repair of hydrants.....	107 95
F. H. Parker, Chairman of Board of Commissioners	100 00
Furniture for new office.....	89 78
Repair of tools.....	47 55
Printing, advertising and postage.....	34 75
George Bills, damages.....	10 00
Replacing cement pipe with cast iron pipe.....	1,941 37
Labor	2,593 90
Packing and lead	251 53
Gates.....	183 20
	<hr/>
	\$12,724 81

PUMPING.

Fuel.....	\$ 4,283 65
Pay rolls	1,978 75
Repairs to machinery	284 10
Supplies	114 13

Insurance.....	\$	100	00
Repairs on buildings and grounds.....		89	00
Rent of ground to September 1st, 1890, ..		33	33
Repairs on motor		22	16
			<u>\$ 6,905 12</u>

METERS.

Meters.....	\$	727	70
Repairs and freight		105	38
			<u>\$ 833 08</u>

RECAPITULATION.

Construction	\$	4,016	90
Current.....		12,724	81
Pumping		6,905	12
Meters.....		833	08
			<u>\$24,479 91</u>

RESERVOIR AND TANK REPAIRS.

FUNDS AVAILABLE.

Amount of the ten per cent on the grand list of 1890, appropriated by the Board of Aldermen for the work, which was collected and apportioned to the account in 1891.....	\$	84	60
Balance from 1890.....		3,078	52
			<u>\$ 3,163 12</u>

RECEIPTS.

From G. D. Weller, Treasurer	\$	3,163	12
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DISBURSEMENTS—RESERVOIR REPAIRS.

Contractor, balance on account.....	\$	2,174	89
Street department, crushed stone, cobble stone and time.....		41	55

Netting, posts, rails, base boards, wire and other material for fence around the old reservoir.....	\$ 143 65
Labor on fence, drains and paths	91 50
	<u>\$ 2,451 59</u>

TANK REPAIRS.

Contractors, balance on account.....	\$ 400 00
Labor, drawing-off, drying, cleaning and painting	181 00
Coal, oil, paint and other material.....	72 90
Four inch waste, gate, pipe and man-hole	57 63
	<u>\$ 711 53</u>
	<u>\$3,163 12</u>

We hereby certify that we have examined the vouchers and accounts of the Superintendent of City Water Works, from January 1st, to December 31st, 1891, and find the same correct.

M. H. STONE, }
H. R. WING, } *Auditors.*
W. C. ISHAM, }

WATER PUMPED.

1891.	Gallons.
January	24,839,025
February	21,345,950
March	24,642,450
April	20,609,225
May	23,932,825
June	30,060,750
July	32,720,025
August	24,427,425
September	26,575,700
October	23,859,225

1891.	Gallons.
November	23,528,375
December	21,959,600
Total, 1891	298,500,575
Total, 1890	279,371,350
Increase in 1891	19,129,225
Daily average in 1890	756,401
Daily average in 1891	817,809

SERVICES.

There have been added 61 services of the following sizes :

Three	6 inch.
Four	4 “
Three	1½ “
One	1¼ “
One	1 “
Ten	¾ “
Thirty-nine	½ “

One of the above was to replace a discontinued service, and one was laid on Church street, during the progress of the work there, to avoid, if possible, future tearing up of the road-way.

SUPPLY PIPE.

A one and one-half inch galvanized iron pipe has been laid in Summer street, easterly from Front street..... 150 feet.

The supply pipe in the following streets has been replaced this season with 4 inch cast iron pipe :

School street, southerly from dead end.....	169 feet.
East avenue, northerly from dead end.....	45 “
Mechanics lane, easterly from Church street.....	40 “

Total length of supply pipe replaced.....	254 feet.
Total now in use.....	21,986 “

MAINS.

New mains have been laid in the following streets:

WITH FOUR-INCH CAST IRON PIPE.

Spruce street, easterly from dead end	215 feet
School street, northerly from dead end	215 "
East avenue, southerly from dead end	575 "
South Union street, southerly from dead end	72 "
Walnut street, southerly from dead end	192 "
Summit street, northerly from Maple. (High Service)	378 "

WITH SIX-INCH CAST IRON PIPE.

Park avenue, westerly from Shelburne street....	2,341 feet.
Briggs street, southerly from Park avenue	733 "

WITH TEN-INCH CAST IRON PIPE.

Shelburne street, northerly from Park avenue....	42 "
Total length of new mains	4,763 feet.

The cement pipe in the following streets has been replaced this season:

WITH FOUR-INCH CAST IRON PIPE.

King street, from St. Paul street to Pine street..	419 feet.
Laterals, from Winooski avenue and North street..	46 "

WITH SIX INCH CAST IRON PIPE.

King street, from Pine street to Battery street...	800 feet.
Winooski avenue, from North street northerly..	821 "
St. Paul street, from Main street to Maple street..	758 "
Church street, from Main street to College street	403 "
North lumber yard, from end of iron pipe, north- erly	668 "
Laterals, from North, King and College streets..	194 "

WITH EIGHT-INCH CAST IRON PIPE.

Willard street, at the head of Spruce street.....	65 feet.
---	----------

WITH TEN-INCH CAST IRON PIPE.

College street, from Union street easterly.....	433 feet.
---	-----------

North street, from Winooski avenue easterly.....	1,213 "
--	---------

Total length of cement pipe replaced....	5,820 feet.
--	-------------

LENGTH OF PIPE NOW IN USE.

Cement.....	84,339 feet.
-------------	--------------

Iron.....	81,693 "
-----------	----------

Total feet of pipe.....	166,032 feet.
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Total miles of pipe.....	31.44
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HYDRANTS.

Six new Lang post hydrants, located as follows, have been added to the service during the past season:

Corner Williams and College streets.

" Champlain and Cedar streets.

" Willard and Spruce streets.

" North and School streets.

" Park avenue and Briggs street.

" Lyman avenue and Briggs street.

At the first two of the above named locations ground hydrants were replaced. In the course of the season's repairs six hydrants have been moved, but not sufficiently to change the description of their location. There have also been set four private hydrants, three on the premises of The Burlington Cotton Mills Co., Colchester avenue, and one on the premises occupied by Crane Brothers & Pope at the Lake.

Total number of public hydrants.....	148
--------------------------------------	-----

" " " private hydrants.....	24
-----------------------------	----

Total.....	172
------------	-----

GATES.

The following old gates have been discontinued :

Pump house yard.....	1	10	inch.
College at South Union.....	1	10	"
North at Winooski avenue.....	2	3	"
Union at North.....	1	4	"
Church at College.....	1	4	"
Winooski avenue at Pearl.....	1	4	"
Hyde at North.....	1	3	"
King at St. Paul.....	1	3	"
King at Champlain.....	2	3	"
King at South Battery.....	1	3	"
Pump house yard.....	1	6	"
Total removed.....	13		

The following gates have been set this season :

North at east line of Winooski avenue.....	1	10	inch.
North at west line of North Union.....	1	10	"
North at east line of North Union.....	1	10	"
North at west line of School.....	1	10	"
North at west line of Russell.....	1	10	"
College at west line of South Union.....	1	10	"
College at east line of South Union.....	1	10	"
College at junction of iron and cement pipe.....	1	10	"
Pump house yard.....	1	10	"
South Willard at north line of Spruce.....	1	8	"
South Willard at south line of Spruce.....	1	8	"
North Winooski avenue at south line of North...	1	6	"
North Winooski avenue at north line of North...	1	6	"
North Winooski avenue at west line of Decatur...	1	6	"
North Winooski avenue at east line of Decatur...	1	6	"
St. Paul at south line of Main.....	1	6	"
St. Paul at north line of King.....	1	6	"
St. Paul at south line of King.....	1	6	"

St. Paul at north line of Maple.....	1	6 inch.
King at east line of Battery.....	1	6 “
King at west line of Champlain.....	1	6 “
King at east line of Champlain.....	1	6 “
King at west line of Pine.....	1	6 “
Champlain at north line of King.....	1	6 “
Champlain at south line of King.....	1	6 “
Church at north line of Main.....	1	6 “
Church at south line College.....	1	6 “
Park avenue at west line of Shelburne.....	1	6 “
Park avenue at east line of Pine.....	1	6 “
Park avenue at west line of Pine.....	1	6 “
Park avenue at east line of Briggs.....	1	6 inch.
Briggs at south line of Park avenue.....	1	6 “
Briggs at north line of Furguson avenue.....	1	6 “
Briggs at north line of Lyman avenue.....	1	6 “
Pump house yard.....	1	6 “
North lumber yard near blow-off at Crane's.....	2	6 “
Fire service for Crane Bros. & Pope at the lake...1	6	“
Fire service for Burl. Cotton Mills Co. Colch. ave.1	6	“
Fire service for Burl. Cotton Mills Co. Pine St...1	6	“
Fire service for Burl. Woolen Co. Colchester avenue.....	1	6 “
Hyde at north line of North.....	1	4 “
School at south line of North.....	1	4 “
King at east line of Pine.....	1	4 “
King at west line of St. Paul.....	1	4 “
Spruce at west line of Willard.....	1	4 “
Summit at north line of Maple.....	1	4 “
Mechanics at east line of Church.....	1	4 “
Winooski avenue at south line of Grant.....	1	4 “
Winooski avenue at south line of Pearl.....	1	4 “
S. Willard at north line of College.....	1	4 “
Meter testing service at City Hall, Church St.....	1	4 “

Hydrant branch, Burl. Cotton Mills Co. Chase St.	1	4	inch.
Hydrant branch cor. of North and School streets.	1	4	"
Blow-off at Crane's mill	1	4	"
Fire service for W. J. Van Patten, Main street	1	4	"
Fire service for E. B. & A. C. Whiting, Pine street.	1	4	"
Fire service for Horatio Hickok, Pine street	1	4	"
Total added		60	
Total now in use			325

The repairs for the year have been:

On cement pipe	7	breaks.
On iron pipe	1	split pipe.
" "	2	plug leaks.
" "	1	joint leak.
On service pipe	9	leaks.
On broken hydrants	8	
On broken gates	1	

One-hundred and forty iron stop boxes and twelve iron gate boxes have been set to replace old wooden ones.

METERS.

There are now in use 654 meters, an increase of 70 over last year. Of this number, 324 are owned by the consumers, and 330 are the property of the city. Of the water pumped $19\frac{1}{2}\%$ has been used through meters, yielding $46\frac{1}{2}\%$ of the collections.

PUMPING.

The pumps are in good condition, and with the ordinary repairs, will remain so long after our consumption has grown to exceed the limit of their capacity. The yearly increase in length of our public sewers, together with our increase of population, furnishes a valid explanation of our constantly increasing pumpage, which is already, for a city of our population, largely in excess of the requirements of legitimate consumption, and would,

no doubt, by a more general use of meters, and more rigid inspection, be considerably reduced.

CURRENT.

The season has been a very favorable one for pipe laying, and owing to the large amount of pipe on hand at the beginning of the year, also to the unusual demand for extensions of the system and for fire services, there has been considerable of this work done. Besides the thirty-one hundred and sixteen feet of pipe laid at the Ferguson and Scarff addition, the mains about the city have been extended sixteen hundred and forty-seven feet, and six thousand two hundred and forty-four feet of new cast iron pipe has been laid to replace smaller cement, old aqueduct and galvanized iron pipes. In addition to the gates required on the somewhat over two miles of pipe laid, several have been set at locations where experience has shown them to be most needed, in most cases to replace old ones, and a four inch blow-off has been added to the system near Crane's mill. The Burbank property adjacent to the reservoir lot, purchased by the City Council for the purpose of enlarging the reservoir grounds, has been put in a suitable condition to answer the purpose for which it was placed in the hands of the Water Department. The old buildings, fences and underbrush, have been removed, a deep well stoned up, and the lot graded.

The work of reservoir and tank repairs finished during the past season was begun in 1888, when an appropriation of twenty-five thousand dollars was made for the purpose of building a new reservoir and repairing the old one. During the seasons of 1888 and 1889 the work of building the new reservoir and making such repairs as were absolutely necessary on the old one was accomplished. In 1890, for the better and more complete repair of the old reservoir, and for increasing the height and capacity of the high service tank, ten per-cent of the grand list was appropriated. Of this latter appropriation \$10,501.60 has been by

the Treasurer credited to the account. The funds \$35,501.60 thus made available for the work, have been expended as shown by detailed accounts in this and former reports, \$22,944.90 for construction of the new reservoir, \$10,845.17 for the repairs of the old reservoir, and \$1,711.53 for the repairs of the high service tank.

The addition to the high service was effected, and the tank cleaned and painted without interruption of supply to consumers, the motor or small pump, or both, as occasion required, supplying the needs.

The tank was filled the latter part of March, and has been in satisfactory operation since that time. The low service reservoirs have been used connectedly during the entire season, except such time as one or other of them were drawn off for cleaning.

The advantage of having two reservoirs has been well demonstrated, even at this early date. Besides the advantages for cleaning the reservoirs themselves, the increased storage capacity enables repairs to be made upon the pumps more easily, and in many ways contributes to the efficiency of the service.

The greater freedom than usual from fishy odor and taste, has also by many been attributed to having a clean storage basin.

All of which is respectfully submitted,

F. H. CRANDALL,

Superintendent.

SUMMARY OF STATISTICS

SUGGESTED BY THE

New England Water Works Association

Burlington City Water Works.
 Burlington, Chittenden County, Vermont.
 Population by U. S. census, 1890, 14, 590.
 Works constructed, 1867-8.
 Owned by city.
 Source of supply, Lake Champlain.
 Mode of supply, pumping.

PUMPING.

1. Builders of pumping machinery, H. R. Worthington.
2. Description of fuel.

{	<i>a</i> Anthracite. <i>c</i> Grate. <i>d</i> Pittston. <i>e</i> \$4.85.	}	34 weeks.
---	---	---	-----------

 g Mill shavings, \$36.00 per week, 18 weeks-
6. Total pumpage for the year, 298,500,575 gallons.
7. Average static head against which pumps work, 289 feet.
8. Average dynamic head against which pumps work, 316 feet.
 Cost of pumping figured on pumping station expenses,
 \$6,905.12.
11. Per million gallons raised against dynamic head into reservoir, \$23.13.

12. Per million gallons raised one foot high (dynamic),
\$0.0732.

Cost of pumping figured on total maintenance,
\$31,318.53.

13. Per million gallons raised against dynamic head into
reservoir, \$104.92.
14. Per million gallons raised one foot high (dynamic),
\$.332.

FINANCIAL.

Division I.

MAINTENANCE.

Receipts.		Disbursements.	
From Consumers.		AA. Management and re-	
A. Water rates, domestic..	\$30,892 42	pairs.....	\$20,055 53
B. Water rates, manufac-		BB. Interest on Bonds....	11,263 00
turing	3,096 77		
From public funds.		CC. Total maintenance....	\$31,318 53
C. Hydrants.....	\$1,200 0	DD. Balance to the City	
D. Fountains and Parks...	75 00	Treasurer.....	7,815 94
E. Watering Troughs.....	250 00		
F. Public Buildings.....	75 00		
	1,600 00		
G. Net receipts for water..	\$35,589 19		
H. Sale of pipes, meters, etc.	3,545 28		
I. Gross receipts.....	\$39,134 47	EE. Total.....	\$39,134 47

Division II.

From fixed rates.	{	L. Domestic.....	\$17,575 81
		M. Manufacturing..	100 00
		N.	\$17,675 81
From meter rates.	{	O. Domestic.....	\$14,916 61
		P. Manufacturing..	2,996 77
		Q.	17,913 38
Total.....			\$35,589 19

CONSTRUCTION.

Receipts.		Disbursements.	
T. Appropriation.....	\$8,930 02	FF. Extension of mains.....	\$3,499 30
		GG. Extension of services.....	517 60
		HH. Rebuilding Reservoir.....	2,451 59
		II. Reservoir lot.....	1,750 00
		JJ. Raising Tank.....	711 53
V. Total.....	\$8,930 02	KK. Total.....	\$8,930 02

W.	Cost of works to date.....	\$372,849 05
X.	Bonded debt at date.....	190,000 00
Y.	Value of sinking fund at this date.....	101,013 69
Z.	Rate of interest, four and five per cent.	

CONSUMPTION.

- Estimated total population at date, 14,450.
- “ “ “ on lines of pipe, 14,450.
- “ “ “ supplied, 14,150.
- Total number of gallons consumed for year, 298,500,575.
- Passed through domestic meters, 42,133,875 gallons, or 14.1 per cent.
- Passed through manufacturing meters, 16,170,000 gallons, or 5.4 per cent.
- Average daily consumption, 817,809 gallons.
- Gallons per day to each inhabitant, 55.
- “ “ “ consumer, 58.
- “ “ “ tap, 314.

DISTRIBUTION.

MAIN.		SERVICES.	
1.	Kind of pipe, cement lined, cast iron, wrought iron.	16.	Galvanized iron, lead.
2.	Size, from 4 to 16 inches.	17.	From $\frac{1}{2}$ to 6 inches.
3.	Extended, 10,837 feet.	18.	1,554 feet.
4.	Discontinued, 6,074 feet.	19.	74 feet.
5.	Total now in use, 31.44 miles.	20.	14.41 miles.
6.	Cost of repairs per mile, \$3.20.	21.	Service taps added, 61.
7.	Leaks per mile, .35.	22.	Number now in use, 2,609.
8.	Small distribution pipe less than 4 inch, total length 21,-986 feet.	23.	Average length of service, 29 feet.
9.	Hydrants added, 8.	24.	Average cost of service, \$8.15.
10.	Number now in use, 172.	25.	Meters added, 70.
11.	Stop gates added, 60.	26.	Number now in use, 654.
12.	Number now in use, 325.		a. domestic, 605.
13.	Small stop gates less than 4 inch, total, 70.		b. manufacturing, 49.
14.	Number of blow-off gates, 6.	27.	Motors and elevators added, 1.
15.	Range of pressure on mains at centre, for day and night, 70 to 85 pounds.	28.	Number now in use, 17.

STORAGE.

Earthwork reservoirs, low service, capacity 7,000,000 gallons.
 Iron tank, high service, capacity 169,617 gallons.

TWENTY-SIXTH ANNUAL REPORT
OF THE
CHIEF ENGINEER
OF THE
FIRE DEPARTMENT.

To the City Council of the City of Burlington:

GENTLEMEN :—I have the honor of presenting to you the twenty-sixth annual report of the Fire Department, for the year ending December 31st, 1891.

In presenting this my fifth report, I can assure your honorable body that this Department has taken no steps backward during the past year, and by the adoption of one or two changes in the rules and regulations, (which I have mentioned elsewhere), we will have a volunteer department second to none in the country.

The drills and practice-work have been of much benefit to the Department, most of the companies taking an interest in the work and striving to do it well, and there is no doubt but that there will be a greater interest and more benefit the coming year. I would respectfully ask your honorable body to inspect these drills.

ORGANIZATION AND APPARATUS.

Our organizations are the same as last reported to you, and all in good quarters, with two exceptions (the Boxer Engine company and Howard Hose Company). The apparatus and hose

are in good condition, there having been added 1500 feet of new Hose, 4 sets of Perfection Holders and Nozzles, and a Deluge Set for converting three streams into one, which may prove very valuable in case of a large fire.

There have been two fire alarm boxes added to the fire alarm system the past year, one at the junction of Winooski avenue and Archibald street, and the other at the corner of Spruce and Elm streets. The system has worked better the past year and given greater satisfaction, but people will pull two or more boxes for a fire, which, to say the least, is very confusing to the firemen.

FIRES.

The department has responded to but twenty-three alarms during the year, but one of which was disastrous; by the burning of the Burlington Cotton Mills our City suffered a serious loss, as so many persons were thrown out of employment. But I am glad to state that the owners of that institution, with their usual enterprise and push, have caused to be built new mills on a larger and safer plan, which are about ready to start again, and the burning may be a benefit to the City in the end.

Our department has been called upon for aid from neighboring towns seven times during the past year, to four of which we were fortunate enough to be of some assistance, if we may judge from the expressions of thanks from the people of the towns visited, and I am glad to say that our firemen did themselves and the City credit on all of these calls.

RECOMMENDATIONS.

Last year I recommended the building of a new fire station in Ward Five, for the Howard Hose Company, and shall again ask your honorable body to give this matter your attention, for it cannot be expected, nor can we hope to have an efficient fire company in that part of the City until there is a building provided by the City suitable for the wants of the company and the accommodation of the apparatus.

The Boxer Engine Company should be provided with a room for their meetings, other than the cellar they now occupy in the Library Building ; the Hook and Ladder Company should have more room for their Truck, and each Hose Company should have a sleigh, the cost of which would be slight (about forty dollars each), compared with the advantage in getting to a fire quickly in the winter. And I would earnestly recommend that the pay of the Assistant Engineers be made fifty dollars a year.

REMARKS.

The Board of Engineers have met with the Fire Wardens several times during the year, and have recommended to your honorable body the plan of having the fire limits extended, and the City Attorney has that matter in hand and will very likely report the change asked for before long. It seems important, however, to the Board of Engineers, that if we are to keep pace with the times that some action should be taken in regard to the reckless manner in which some buildings are put up in our City, and to the removal of inflammable rubbish that is stored in cellars and back alley-ways.

Chapter 12, sections 2 and 3 of the Revised Ordinances say how people shall apply for license to build, repair or re-build any building, but does it say who shall see that the owners or builders do not put up death traps for the firemen to go into (in case of a fire in one of the flimsy buildings,) and would it not be well to make the fire wardens a committee on buildings, and have all builders submit to them their plans and specifications before a license is granted for any building or the repairing of any building ?

I have sold, by the advice of the Fire Committee, all of the old hose that has been condemned, and turned the money over to the City Treasurer.

You will find appended to this report, the company statis-

tics and inventories, rolls, etc., also the record of all fires, causes, as far as known, the losses and insurance paid.

In conclusion I wish to thank your honorable body, the City Clerk and Treasurer, Superintendents Crandall and Stevens, the Assistant Engineers, the Fire Department, and all others who have contributed to the interest of the Fire Department, and assisted me in the discharge of my duties.

Respectfully submitted,

F. E. PERKINS,

Chief Engineer.

FINANCIAL STATEMENT.

RECEIPTS.

Appropriation.....	\$5,500 00
Old hose sold.....	225 00
	<hr/>
	\$5,725 00

DISBURSEMENTS.

Expenses.....	\$4,386 48	
Water tax.....	1,200 00	5,586 48
	<hr/>	<hr/>
Unexpended balance.....		\$ 138 52

COMPANY STATISTICS.

HOOK AND LADDER COMPANY NO. 1.

Foreman, THOS. WELCH.

1st Assistant, L. D. MEAD.

3d Assistant, M. BUTLER.

2d Assistant, F. C. DALEY.

Clerk, C. MCCARTY.

Roll for 1891.

Benoit, H.	Denning, J. S.	Moore, M.
Brown, M.	Donahue, T. P.	Morrison, A.
Bull, A. J.	Fitzsimmons, P. H.	O'Brien, E.
Butler, T.	Garvey, M.	O'Brien J.
Butler, M.	Haley, E.	Phillips, H.
Clark, J.	Mallon, T.	Powers, M C.
Croto, J.	Martin A.	Shea, J. J.
Daley, J. W.	McCarty, C.	Smullens, E.
Daley, F. C.	Mead, L. D.	Sutton, E. M.
Denning, Wm.	Monta, J.	Welch, T.

CITY PROPERTY IN CHARGE OF HOOK AND LADDER CO. NO. 1.

JANUARY 1ST, 1892.

One truck, 2 iron bars, 2 forks, 5 roof chains, 2 guy ropes, 1 hammer, 1 monkey wrench, 1 iron jack, 2 large hooks with ropes and chain attached, 1 medium hook with rope and chain attached, 275 feet rope, 3 lanterns, 2 side lamps, 1 head lamp, 10 rubber coats, (8 in poor condition) 3 pair rubber mittens, 5 rubber caps, 1 65-feet "Bangor" extension ladder, 1 58-feet splice ladder, 1 42-feet ladder, 1 38-feet ladder, 4 24-feet ladders, 8 roof ladders, 3 short ladders, 10 pikes, 9 braces, 50 feet garden hose, 1 indicator, 1 coal stove and pipe in poor condition, 1,500 pounds of coal, 1 dust pan, 1 small oil can, 1 large oil can,

1 table, 1 mop, 1 coal shovel, 1 duster, 1 sponge, 1 sprinkler, 1 chamois-skin, 1 extra tongue, 1 extra set of whiffletrees, 1 single whiffletree, 1 set of double harness, consisting of breast-plate and bridle, 1 coal hod.

In meeting room, "Exchange Block," 46 common chairs, 6 arm chairs, 2 desks, 1 table, 14 cuspidores, 2 brooms, 2 tin pails, 1 snow-shovel, 1 duster, 1 wardrobe, $\frac{1}{8}$ cord of wood.

All of the above property in good condition, except those specified.

STAR HOSE COMPANY NO. 2.

Foreman, F. C. CROSSMAN.

1st Assistant, L. PINE.

Clerk, S. TAYLOR.

2nd Assistant, G. BREW.

Treasurer, A. H. DUHAMEL.

Auditor, J. C. CAMPBELL.

ROLL FOR 1891.

Brady, T. E.,	Davis, F. L.	Lapointe, T.
Brew, G.	Delaney, T. A.	Laury, N.
Brew, H.	Dougherty, F. A.	Lee, H. H.
Brew, E.	Duhamel, A. H.,	Murray, F. T.
Campbell, J. E.	Germain, E. H.	Pine, L.
Carrington, A. W.	Grant, L. C.	Proulx, F.
Cota, C.	Ladam, O. J.	Riley, Wm.
Cowlbeck, Geo.	Lane, C. H.	Ryan, J. H.
Crossman, F. C.	Lane, G. W.	Taylor, S.
		Wakefield, F.

CITY PROPERTY IN CHARGE OF STAR HOSE COMPANY NO. 2.

JANUARY 1st, 1892.

One hose cart in good order, 1000 feet cotton, rubber lined, hose in good order, 1 indicator, 1 iron bar, 1 dust pan, 1 service pipe, 1 water pail, 1 practice pipe, 6 cuspidors, 8 pair mittens, 1 coal hod, hydrant wrench, 4 rubber coats (fair,) 1 monkey wrench, 50 feet old garden hose, 6 hose spanners, 3 ladder straps, 1 8-foot step ladder, 1 hose patch, 1 small oil can, 1 fire shovel,

1 large oil can, 1 coal shovel, 2 tables, 1 perfection nozzle and holder, 2 desk lamps, 8 bracketlamps, 6 common chairs, 3 settees, 1 coal stove, 1 wood stove, 1 snow shovel, 1 ton coal, 1 load hard wood, 1 load kindling wood, 1 broom.

BOXER ENGINE COMPANY NO. 3.

Foreman, GEORGE G. MUNSON.

1st Assistant, CHAS. HUGHES.

Clerk, JOS. O. BELLEMORE.

2d Assistant, JOHN SCARBO.

Treasurer, GEO. G. MUNSON.

Auditor, GEO. E. DANIELS.

COMMITTEE ON MEMBERSHIP.

Daniel Mitchell,

William Shambo,

George Martelle.

ROLL FOR 1891.

Arcand, A.	Kennedy, John H.	Mossey, Fred
Bellemore, Jos. O.	Lavoil, Jos.	Munson, Geo. G.
Bissette, A.	Lefebvre, N.	Pratt, Ed.
Booth, Chas.	Lucia, Moses	Ritchie, P.
Bradley, James	McCuen, Frank	Ross, Charles
Butler, H.	McGowen, E.	St. George, N.
Daniels, Geo. E.	McGowen, Jos.	Savage, Jos.
Dooley, T. E.	Martelle, George	Scarbo, John
Fountain, Jos.	Mercey, N.	Shambo, Wm.
Gendron, John	Mitchell, D.	Titze, A.
Hamlin, M.	Mitchell, Jacob	Tyler, Geo. O.
Hughes, Charles	Mitchell, Joseph	Walker, Fred

CITY PROPERTY IN CHARGE OF BOXER ENGINE COMPANY NO. 3,

JANUARY 1ST, 1892.

For parlor use, 29 common chairs, 6 office chairs, 1 table, 1 stove and pipe, 1 oil cloth for carpet, 11 cuspidores in poor condition.

In Engine and Hose Room. One hand engine fully equipped, 1 old cart, 1 new cart, 950 feet of new hose, 5 rubber coats in poor condition, 3 play pipes, 2 nozzles and 1 holder, 11

spanners, 4 hydrant wrenches, 3 pair rubber mittens, 6 pairs felt mittens, 7 ladder straps, 3 patches, 1 crowbar, 1 axe, 5 cuspidores, 1 indicator, 3 settees, 2 brooms, 1 carpet sweeper, 1 dust pan, 1 sprinkling pail, 2 oil cans, 1 chamois skin, 2 screw drivers, 2 fills, 1 hammer, 4 lanterns, 2 monkey wrenches, 50 feet garden hose, 1 snow shovel, 1 iron shovel, 2 jacks, 1 rubber floor scrubber, 1 bushel basket, 1 mouth.

ETHAN ALLEN ENGINE COMPANY No. 4.

Captain, W. H. LANE, JR.

1st Assistant, F. B. BOYNTON.

Treasurer, GEO. B. LANE.

2d Assistant, W. E. MORSE.

President, H. L. WARD.

Secretary, GEO. E. JOHNSON.

Vice-President, F. E. PERKINS.

AUDITORS.

F. H. WELLS.

F. L. TAFT.

W. C. ISHAM.

PIPEMEN.

No. 1, W. M. Faulkner.

No. 5, B. B. Beeman.

" 2, Frank Brown.

" 6, E. A. LaFountain.

" 3, A. L. Walker.

" 7, B. M. Lambkin.

" 4, J. L. Bates.

" 8, E. S. Lane.

HYDRANTMEN.

No. 1, W. C. Isham.

No. 5, Geo. H. Holden.

" 2, G. L. LaFountain.

" 6, J. A. Kelley.

" 3, C. H. Whitney.

" 7, C. E. Kinsman.

" 4, W. B. Gates.

" 8, J. H. Drew.

ROLL FOR 1891.

Abernethy, F. D.	Gates, W. B.	Moody, George F.
Adsit, E. S.	Hall, Willis P.	Murray, Moses
Ashley, George E.	Hendee, W. F.	Palmer, C. R.
Ballard, F. W.	Hill, A. W.	Perkins, F. E.
Bates, J. L.	Holden, George H.	Powers, C. H.
Beeman, B. B.	Isham, W. C.	Roberts, Robert
Bell, George F.	Isham, F. A.	Roberts, J. Ross
Berry, M. C.	Johnson, George E.	Shanley, H. J.
Boynton, F. B.	Johnson, S. M.	Stiles, Geo. Q., Jr.
Bradish, F. F.	Jones, W. B.	Storrs, O. S.
Brown, Frank	Kelley, J. A.	Sullivan, J. W.
Burden, W. J.	Kinsman, C. E.	Swift, H. D.
Burgess, E. H.	LaFountain, G. L.	Taft, F. L.
Burgess, F. E.	LaFountain, E. A.	Walker, Solomon
Clarkson, E. E.	Lambkin, Byron M.	Walker, A. L.
Cobb, F. P.	Lane, W. H., Jr.	Ward, C. F.
Cook, J. E.	Lane, E. S.	Ward, H. L.
Drew, J. H.	Lavelle, John	Weller, W. E.
Faulkner, W. M.	Lord, G. M.	Wellman, J. A.
Ferguson, C. H.	Lyman, Elias	Wells, F. H.
Fisher, F. H.	McMahon, M. D.	White, F. G.
Flynn, J. J.	Miller, F. H.	Whitney, C. H.
Foster, D. J.	Miller, Chas. C.	Whitney, G. W.

CITY PROPERTY IN CHARGE OF ETHAN ALLEN ENGINE CO. NO. 4,
JANUARY 1ST, 1892.

One indicator, 1 Jeffers hand engine in good order, 2 hose carts, 1 hose sled, 1,000 feet new rubber-lined hose, 250 feet old rubber-lined hose, 100 feet garden hose, 1 deluge set, 1 perfection holder and nozzles, 2 old leather pipes, 1 rubber-lined pipe, new, 7 hose jackets, 8 reducers, 25 spanners, 8 rubber coats, 2 pair rubber mittens, 3 pair yarn mittens, 3 butt straps, 9 ladder straps, 5 hydrant wrenches, 13 extra nozzles, 2 monkey wrenches, 2 Edison's chemical extinguishers, 1 hammer, 3 brooms, 1 wagon jack, 2 window cleaners, 3 dust pans, 2 mops, 2 pails, 1 snow shovel, 3 sponges, 1 duster, 4 cuspidores, 2

counter brushes, 2 chamois skins, 2 coal hods, 2 coal shovels, 3 oil cans, 2 lanterns, 1 window brush, 1 rubber cap.

HOWARD HOSE COMPANY No. 5.

Foreman, T. B. COFFEY.

1st Assitant, JAMES O'CONNELL,

Clerk and Treas., J. R. MURPHY.

2d Assistant, JAMES COSGROVE.

Auditor, J. P. McGRATH.

ROLL FOR 1891.

Black, John	Drew, A. A.	McGrath, J. P.
Brown, Henry	Graton, M. C.	Murphy, J. L.
Carlin, Joseph	Larose, Fred	Murphy, J. R.
Coffey, T. B.	McDonald, John	O'Connell, James
Cosgrove, James	McGrath, Owen	Sullivan, F. W.
Dolan, C. L.	McGrath, Wm.	

CITY PROPERTY IN CHARGE OF HOWARD HOSE COMPANY NO. 5,
JANUARY 1ST, 1892.

One indicator, 1 hose cart, 5 spanners, 3 ladder straps, 3 patches, 2 hydrant wrenches, 5 rubber coats, 2 rubber mittens, 8 rubber caps, 1 ladder rope, 1,000 feet of hose, 1 axe, 2 crow bars, 1 whiffle-tree, 4000 pounds coal, 2 loads hard wood, 1 sponge, 3 lanterns, 2 pails, 2 stoves, 1 oil can, 1 coal hod, 2 brooms, 1 map, 1 perfection nozzle and holders.

BARNES HOSE COMPANY No. 7.

Foreman, W. J. MURPHY.

1st Assistant, M. M. HEFFRON.

Clerk, P. McGRATH.

2d Assistant, D. G. SULLIVAN.

Treas., H. W. O'CONNER.

Auditor, G. L. NEAL.

EXECUTIVE COMMITTEE.

J. DELANEY.

P. McGRATH.

P. CURLEY.

ROLL FOR 1891.

Brew, E. C.	Grogan, M. J.	Maher, W.
Contois, A.	Hefferon, M. M.	Moran, J.
Conway, N. J.	Hudson, Ed	Murphy, W. J.
Cota, A.	Keefe, M.	Neal, G. L.
Cummings, M.	Kennedy, P.	O'Conner, H. W.
Curley, P.	Larrow, F.	Smith, W. V.
Delaney, J.	Lynch, B.	Sullivan, D. G.
Donlin, J.	Lynch, M.	Sullivan, P. Jr.
Doxey, A. M.	McGrath, M.	Wall, M.
Finneran, J. H.	McGrath, P.	

CITY PROPERTY IN CHARGE OF BARNES HOSE COMPANY NO. 7,
JANUARY 1ST, 1892.

One service cart, 800 feet of rubber lined hose in good condition, 100 feet in poor, 4 rubber coats, 2 pair rubber mittens, 4 caps, 1 axe, 2 stoves and pipe, 1 coal hod, 1 ton of coal, 50 feet of rope, 50 feet of garden hose in poor condition, 36 common chairs, 3 desk chairs, 5 common lamps, 2 hanging lamps, 1 mirror, 1 table, 1 half load of wood, 1 broom, 1 hydrant wrench, 1 patent holder and pipe, 1 service pipe, 2 settees, 1 step-ladder, 1 jack for cart, 4 iron spittoons, 6 cuspidores, 23 uniforms in poor condition, 1 whiffle-tree.

A. C. SPEAR FIRE COMPANY, NO. 8.

Captain, A. P. BEERS.

1st Assistant, J. L. HOGAN.
2d Assistant, EDWARD AIKEY.

Secretary, A. K. BOTSFORD.
Treasurer, W. W. HENRY.

AUDITORS.

F. G. CUDWORTH.

C. P. JONES.

EDMOND BISSON.

ROLL FOR 1891.

Aikey, Edward	Collins, M.	Jones, C. P.
Allen, Jos. D.	Collins, John	Killam, Charles
Allen, Lyman	Cudworth, F. G.	McLaughlin, J. J.
Beers, A. P.	Dowd, P. F.	Miller, L. S.
Bisson, Edmond	Dyer, H. E.	Read, Clayton C.
Botsford, A. K.	Fitzsimmons, J. H.	Read, John C.
Buckham, C. W.	Gray, F. E.	Redmond, Thomas
Cannon, John,	Henry, W. W.	Ryder, Lawrence
Carty, Wm.	Herrington, E. J.	Ward, Charles
Casey, J. P.	Hogan, J. L.	

CITY PROPERTY IN CHARGE OF A. C. SPEAR FIRE COMPANY
NO. 8, JANUARY 1ST, 1892.

One hose cart, 1000 feet cotton rubber lined hose, 1 cotton rubber lined pipe, 1 perfection holder and nozzles, 12 spanners, 4 ladder straps, 6 rubber coats, 5 lanterns, 1 hydrant wrench, 1 indicator, 1 wagon jack, 1 five gallon oil can, 1 coal stove, 1 wood stove, 1-8 cord wood, 1-4 ton coal, 1 mop, 1 chamois, 2 sponges, 1 coal hod, 5 bracket lamps, 3 hanging lamps, 5 settees, 30 chairs, 5 arm chairs, 2 tables, 15 window curtains, 6 cuspidors, 2 brooms, 1 gal. iron pail.

FIRES, 1891.

DATE.	HOUR.	Box.	LOCATION.	OWNER.	PROPERTY.	ORIGIN.	LOSS.	IN-SURANCE.
Jan. '7	2.30 A.M.	23	N. Winooski ave.	K. B. Walker & Co.	Stores.	Spon. comb.	\$ 2,100 00	\$ 2,100 00
Feb. 24	11.30 A.M.	16	Mill st.	J. H. Gates & Co.	Cotton mills.	Overheated jou'l.	140,000 00	121,800 00
M'ch 12	4.00 A.M.	42	Church st.	J. A. Shedd.	Dwelling.	Defective flue.	114 50	114 50
" 30	7.30 A.M.	25	R. R., E. of Tunnel	C. V. R. R.	Oil car, etc.	Spark from eng.		
April 30	9.30 P. M.	52	Champlain st.	J. Gorman.	Dwelling.	Lamp tipped over		
May 4	1.00 P. M.	47	Battery st.	J. R. Booth.	Grass.	Sparks.		
" 13	7.00 P. M.	42	Cherry st.	McCrae & Montgomery	Candy fact'y.	Overheated furn.	1,357 50	1,357 50
" 14	5.20 P. M.	54	Pine st.	H. Hickok & Co.	Mills & Sheds	Sparks from chim	400	375 00
" 22	8.00 P. M.	42	Pine st.	E. Gorman.	Dwelling.	Lamp tipped over	10	10 00
July 17	2 00 M.	46	Lake st.	J. R. Booth.	Dry house.	Sparks from chim	2,475 00	2,475 00
" 25	10.10 P. M.	25	Winooski ave.	E. N. Porter.	Stores.	Spon. comb.	286 50	286 50
Aug. 21	11.00 A.M.	32	Cedar st.	J. G. Bacon.	Dwelling.	Carelessness.	526 75	526 75
Sept. 18	1.45 P. M.	24	North Bend.	I. Rogers.	Dwelling.	Supposed In'd.	200	136 50
Oct. 11	11.00 A.M.	52	Battery & King sts	J. Sullivan.	Dwelling.	Defective flue.	2,000	1,000 00
Dec. 6	7.30 A.M.	37	North avenue.	M. Corley.	Dwelling.	Defective flue.	250	157 00
" 12	6.00 P. M.	*	Winooski ave.	W. M. Faulkner.	Dwelling.	Lamp tipped over	73	73 00
" 15	7.00 P. M.	53	Pine st.	S. W. & B. Lumber Co.	Dwelling.	Sparks from fur.	3,284 50	3,284 50
July 14	3.00 A.M.	25	Pearl st.	False Alarm.	Dry house.			

FIRES OUT OF TOWN.

Feb. 3	4.00 P. M.	43	Richmond, Vt.	At which we did good service.				
" 24	3.00 P. M.	16	Winooski, Vt.	Fire caught from spark of Cotton Mills, think we helped them out.				
Apr. 5	12.00 A.M.		Milton, Vt.	Call for help, police officer did not think worth while to call Chief Engineer.				
July 18	12.30 M.		So. Burlington, Vt.	" " " could not do anything, " "				
Oct.	8.00 P. M.		Shelburne, Vt.	" " " " " " " "				
Nov. 22	8.00 P. M.		Middlebury, Vt.	" " " did some service, but too late.				
" 25	1.00 A.M.		St. Albans, Vt.	" " " " " was in time to relieve St. Albans Department.				

*Still alarm.

†Key stolen from Hotel Chittenden.

REPORT

OF THE

Overseer of the Poor.

For the year ending December 31st, 1891.

To the Honorable the City Council:

GENTLEMEN:—The statement of the receipts and disbursements for the year ending December 31, 1891.

RECEIPTS.

Cash from City Treasurer, avails, 1891, .	\$	3,500	00
“ “ “ “ balance from			
1890, -----		65	51
Cash from City Treasurer, special appropriation for repairs at farm,-----		350	00
Receipts from sale farm produce,-----			
cash, \$146.88			
barter, 26.69		173	57
		-----	\$ 4,089 08

DISBURSEMENTS.

Aid furnished 135 persons or families ...	\$	1,517	05
Overseer of the poor, salary-----		500	00
City Physician, salary :			
P. E. McSweeney, to April 25, \$63.-			
85, A. A. Letourneau, from April 25,			
to Dec. 31, 1891 -----		136	15
		200	00
		-----	\$ 2,217 05

POOR HOUSE EXPENDITURES.

Charles Ozier, Superintendent, salary...	\$	400	00
Coal.....		124	33
Taxes		17	42
Other expenses		522	12
Paid for care of Mrs. Peltie.....		107	75
“ “ coal for persons or families, not included in aid furnished....	\$	85.34	
Paid for coal on hand.....	157.50	242	84
Paid for repairs on farm from special ap- propriation 1891		344	07
			<u>\$ 1,758 53</u>
Total disbursements.....		\$	3,975 58
Cash on hand December 31, 1891.....			113 50

This certifies we have examined the account and vouchers of G. A. Rumsey, Overseer of the Poor, from January 1st, 1891, to December 31st, 1891, inclusive, and find the same correct.

M. H. STONE, }
H. R. WING, } *Auditors.*
W. C. ISHAM, }

INVENTORY OF FARM, DECEMBER 31, 1891.

PRODUCE ON HAND.

35 Tons Hay,	5 Bushels Corn,
200 Bushels Potatoes,	1500 Pounds Pork,
20 Bushels Turnips,	300 Pounds Corned Beef,
18 Bushels Beets,	100 Pounds Lard,
15 Bushels Carrots,	25 Pounds Butter,
175 Heads Cabbage,	1 Bushel Onions,
75 Bushels Oats,	$\frac{1}{2}$ Barrel Flour,
10 Bushels Beans,	18 Pounds Tea.

LIVE STOCK ON HAND.

2 Horses,	1 Old Hog,
12 Cows,	1 Calf,
4 Shoats,	35 Hens.

INMATES OF THE POOR HOUSE, DEC. 31, 1891.

Name.	Age.	Nativity.	Cause.	TIME.		
				Yrs.	Mos.	D's.
Mary Corning.....	75	Burlington, Vt..	Insane ---	10	0	10
Annie Muldoon.....	59	Ireland.....	“ ---	10	2	8
Mary Wall.....	45	Ireland.....	“ ---	7	7	24
William Wakefield..	82	Burlington, Vt..	Destitute..	8	2	24
Timothy Noonan.....	85	Ireland.....	Insane ---	11	2	23
Daniel Hicks.....	27	Winooski, Vt..	“ ---	5	7	4
Olive Robear.....	93	Canada.....	Destitute..	2	6	
Frances Metcalf.....	57	Burlington, Vt..	Insane ---		6	
Mary Diette.....	78	Canada.....	Destitute..		4	
Jane Flynn.....	67	Ireland.....	“ ---		1	
Ella Phelps.....	38	Hinesburgh ..	“ ---		3	
Martel Duame.....	72	Canada.....	“ ---		2	
Walter Langworthy..	22	Burlington, Vt..	“ ---		1	5
Peter Greenough....	74	Canada.....	“ ---			17

Admitted during year, 12.

Discharged during year, 9.

Died January 22, 1891, John Pecor, Canada.

REMARKS:—In submitting this, my fifth annual report, I would again call your attention to the further improvement of the Farm buildings, and of the grounds.

As new construction, there have been built a tie-up for the cattle, and an addition to the hog-house.

As to repairs, I have re-nailed the clap-boards of the pest-house, and painted it two coats.

All regular repairs have been made as usual, leaving the buildings, at present, in excellent condition.

The improvement of the grounds has consisted in blasting and removing a large quantity of boulders.

There has been more sickness than usual among the inmates of the poor house, during the past year, the majority of them being old people, as will be seen by reference to the previous list.

During the year, one inmate only has died.

The stock on the Farm has been increased by the addition of three cows.

Among other matters, I would respectfully call the attention of your Honorable Board, to the need of investigating the system of heating the Poor House.

In conclusion, I would thank you, and others who act in concert with me, for all courtesies and kindly assistance.

G. A. RUMSEY,

Overseer of the Poor.

REPORT
OF THE
CITY ATTORNEY.

To the Honorable the City Council.

GENTLEMEN : At the April Term of County Court, 1891, the following City cases were settled and discontinued.

J. M. Mathews vs. the City. } Appeals from sewer assess-
S. C. Cole vs. the City. } ments.

City of Burlington vs. Peter E. Pease.

The suit of John Donahue vs. the City of Burlington, to recover for boarding a pauper, was settled and discontinued at the last Sept. Term of County Court.

B. B. Smalley vs. the City of Burlington, a suit to recover back taxes claimed by plaintiff to have been illegally assessed, and which suit your former City Attorney reported as tried and with the Supreme Court for decision, has been decided by that Court in favor of the City.

H. R. Conger and others vs. the City of Burlington (proceedings for the extension of Pine Street to the Englesby farm, and thence to the lake,) is still in court. No action therein has been taken for the reason that a petition was subsequently presented to the Street Commissioners, which is hereinafter referred to, and which includes the streets above named.

The two suits of Mrs. Fanny A. Ripley and Harry J. Edson vs. the City of Burlington, (appeals from the order of the Street Commissioners relating to the damages allowed and assessment made in the matter of the Peru Street extension,) have been

heard by the Commissioners appointed by the County Court, and will be finally disposed of at the coming April Term of that Court.

The petition filed June 1st, 1891, for the extension of Pine Street to Park Avenue, and for a street from the proposed extension to the lake, has been heard by the Street Commissioners and their report will be soon filed.

There have been several prosecutions for violation of city ordinances, but there are now pending no criminal cases in which the City is interested,

Respectfully submitted,

A. G. WHITTEMORE,

City Attorney.

Burlington, Vt., Jan. 1st, 1892.

REPORT OF THE CITY JUDGE,

FOR THE YEAR 1891.

The total number of prosecutions in City cases brought before the City Court during the year 1891, was 69 against 70 respondents, and they are classified as follows, viz :—

Breach of the peace.....	41
Petit larceny.....	9
Open and gross lewdness.....	3
Violation Sunday law.....	1
Gambling.....	6
Cruelty to animals.....	1
Violation of the City Ordinance.....	7
Poisoning fowls.....	1
Total.....	69

In said prosecutions, 49 respondents were convicted, 1 was acquitted, and 14 discharged on nolle prosequi.

Two of the above cases stand appealed, in which the fines and costs amount to \$47. 98.

Total fines and costs collected and paid into the City

Treasury.....\$490 09

Total amount paid by the City Treasurer, as fees to

the several persons entitled to the same.....	\$566 81
Total amount of fines and costs uncollected in cases	
not appealed.....	83 96

The payment of a large portion of this amount has been guaranteed by persons interested for the respondents, and the same will soon be collected.

If the whole of such amount, including fines and costs in the appealed cases, be paid, the balance in favor of the City Court will be \$ 60.93.

The Mayor with the approval of the Board of Aldermen remitted the fine and costs in two cases amounting to \$29.02.

Further information, will be furnished upon application to the Clerk of the Court.

Respectfully submitted to the City Council,

HAMILTON S. PECK,

City Judge.

Burlington, Vt., Jan. 1st, 1891.

REPORT OF THE CHIEF OF POLICE.

To the Honorable the City Council:

GENTLEMEN :—I have the honor to submit this, my annual report of the Police Department, for the year ending December 31st, 1891, showing the present strength and condition of the force, and reviewing briefly the duties performed by it during the past year.

The department consists of 49 commissioned Policemen. Of these 38 are watchmen at the several manufactories, without expenset to the City. The remaining eleven officers are stationed as follows:

Four on Church street, two each night alternately, four in the north part of the City, two each night alternately, one in the south part of the City, one on Battery street and one on Battery Park each night, except during the winter season, when the one on Battery Park is dispensed with.

There have been in all 420 arrests, which are classified for each month, respectively, as follows :

JANUARY.

Intoxication.....	13
Selling liquor.....	3
Breach of the peace.....	3
Adultery.....	2
Tramp.....	1
Total.....	<u>22</u>

FEBRUARY.

Intoxication.....	9
Selling liquor.....	2
Open and gross lewdness.....	2
Breach of the peace.....	8
House of ill-fame.....	1
Impeding officer.....	2
Tramps.....	2
Total.....	26

MARCH.

Intoxication.....	9
Selling liquor.....	7
Assault.....	2
Nuisance.....	1
Breach of the peace.....	1
Bigamy.....	1
Petit larceny.....	1
Total.....	22

APRIL.

Intoxication.....	9
Selling liquor.....	6
Grand larceny.....	8
Breach of the peace.....	4
Perjury.....	2
Obtaining liquor of Agent under false pretences.....	1
Total.....	30

MAY.

Intoxication.....	11
Selling liquor.....	4
Breach of the peace.....	2

Grand larceny.....	4
Petit larceny.....	2
Adultery.....	2
Violating fish law.....	1
Total.....	<u>26</u>

JUNE.

Intoxication.....	15
Selling liquor.....	10
Breach of the peace.....	3
Open and gross lewdness.....	4
Obtaining liquor of agent under false pretences.....	1
Total.....	<u>33</u>

JULY.

Intoxication.....	27
Selling liquor.....	18
Breach of the peace.....	7
Gambling.....	6
Grand larceny.....	1
Petit larceny.....	2
House of ill-fame.....	1
Nuisance.....	1
Assault.....	2
Open and gross lewdness.....	2
Burglary.....	1
Tramp.....	1
Total.....	<u>69</u>

AUGUST.

Intoxication.....	13
Selling liquor.....	8
Petit larceny.....	3

Grand larceny.....	1
Breach of the peace.....	6
Cruelty to animals.....	1
Nuisance	1
Total	33

SEPTEMBER.

Intoxication	10
Selling liquor	6
Breach of the peace.....	5
Working Sunday	1
Petit larceny.....	2
Nuisance	1
Poisoning fowls.....	1
Total.....	26

OCTOBER.

Intoxication.....	13
Selling liquor.....	6
Breach of the peace.....	12
Grand larceny.....	3
Petit larceny.....	2
Obtaining liquor of Agent under false pretences.....	1
Total.....	37

NOVEMBER.

Intoxication.....	15
Selling liquor.....	17
Breach of the peace.....	4
Petit larceny.....	6
Grand larceny.....	1
Burglary.....	3
Tramps.....	3
Total.....	49

DECEMBER.

Intoxication.....	20
Selling liquor.....	17
Grand larceny.....	1
Breach of the peace.....	4
Petit larceny.....	1
Obtaining goods under false pretences.....	2
Burglary.....	1
Tramps.....	1
Total.....	47
Grand Total.....	420

Unless some unforeseen demand should arise, the strength of the present force is deemed sufficient to meet all requirements.

The expenses of the department from April 1, 1891, to January 1, 1892, aggregate \$2,659 00.

Some arrests and seizures have been made by the Sheriff and Deputies that do not come under the Police regulations.

I return thanks to your Honorable Body for the kindness extended to me in the discharge of my duties, during the past year.

Very respectfully,

JEROME DUMAS,

Chief of Police.

REPORT OF THE CITY LIQUOR AGENCY.

To the City Council of the City of Burlington:

GENTLEMEN:—I herewith present to you my report from the first day of January, 1891, to the thirty-first day of December, 1891, inclusive:

Cash received from sales to citizens.....	\$4,846 21
Cash received from sales to citizens of other towns..	1,646 99
Cash received from sales of bottles, barrels and jugs-	83 80
	\$6,577 00

Cash paid to City Treasurer.....	6,577 00
No seized liquors received or sold at the Agency this year.	

Respectfully,

E. SELDEN,

City Agent.

Burlington, Vt., January 26, 1892.

This is to certify that we have examined the sales books of E. Selden, City Liquor Agent, and find that he has received the above amount and paid the same to the City Treasurer.

M. H. STONE,	}	<i>Auditors.</i>
H. R. WING,		
W. C. ISHAM,		

REPORT

OF THE

Cemetery Commissioners.

To the City Council of the City of Burlington, Vermont :

GENTLEMEN : Herewith is respectfully submitted the report of the Cemetery Commissioners, for the year ending 31st December, 1891, viz :

ELMWOOD AVENUE CEMETERY.

RECEIPTS.—(deposited with the City Treasurer.)

Balance on hand with City Treasurer, 1st January,	
1891.....	\$ 697 07
Income from bonds and notes, "Pomeroy fund"....	847 90
Fitting lots.....	69 80
Care of lots.....	85 50
Opening and filling graves.....	55 00
Sale of grass.....	3 00
Total.....	\$1,758 27

DISBURSEMENTS.—(by checks on City Treasurer.)

Services of J. D. Pickering, as sexton in charge, for	
1891.....	\$ 366 00
Labor per time book.....	189 57
Annual water rates to the City, 1st June, 1890, to	
1st June, 1892.....	28 00
Soil and cartage.....	14 77
Flowers and plants.....	12 00

Tools, materials, paints and grass seeds.....	\$ 25 67
Stationery and postage.....	1 65
Balance on hand with the City Treasurer.....	1,120 61
Total.....	<u>\$1,758 27</u>
Accounts due, uncollected.....	\$50 00
Number of interments during 1891.....	25
Number of removals to other cemeteries....	2

LAKE VIEW CMETERY.

RECEIPTS.—(deposited with City Treasurer.)

Balance on hand with City Treasurer, 1st January,	
1891.....	\$1,053 94
Sales of lots.....	952 09
Fitting lots.....	400 58
Care of lots.....	720 00
Income from trust funds.....	315 00
Opening and filling graves.....	248 50
Vault fees, etc.....	20 00
	<u>\$3,710 11</u>

DISBURSEMENTS.—(by checks on City Treasurer.)

Services of Eli Poquette, as sexton in charge, during	
1891.....	\$ 626 00
Labor per time book.....	1,165 16
Annual water rate and rent of lot to the city.....	115 00
Hay, provender and blacksmithing.....	88 51
Stationery and postage.....	9 96
Flowers and shrubs.....	75 00
Soil, gravel, fertilizers and cartage.....	300 25
Paints, painting, repairs and materials.....	186 72
Tools, grass seeds, etc.....	117 00
Concreting walks.....	166 96
Insurance.....	29 90
Balance on hand with City Treasurer.....	829 65
	<u>\$3,710 11</u>

Accounts due, uncollected, \$110 65.

SALES OF LOTS.

Number of lots sold to December 31, 1890.....	645
Number of lots sold during 1891.....	26
	<hr/>
Total number of lots sold to December 31, 1891...	671

INTERMENTS.

Total number of interments to December 31, 1890.....	1503
Number of original interments during 1891.....	82
Number of removals from other cemeteries during 1891..	6
	<hr/>
Total number of interments to December 31, 1891..	1591

J. A. ARTHUR,	}	<i>Cemetery Commissioners.</i>
ELI POQUETTE,		
L. A. DREW,		

We have examined the books, accounts and vouchers pertaining to the foregoing report of the Cemetery Commissioners for the year 1891, and find them correct.

M. H. STONE,	}	<i>Auditors.</i>
H. R. WING,		
W. C. ISHAM,		

REPORT OF THE CITY TREASURER.

On account of the Lake View and Elmwood Avenue Cemeteries.

To the City Council of the City of Burlington :

GENTLEMEN :—I herewith hand you a statement of the resources and liabilities of Lake View and Elmwood Avenue Cemeteries, trust and other funds, in accordance with Chapter 147, sections 3202 and 3203 of the Revised Laws of Vermont, from January 1st to December 31st, 1891, inclusive:

BILLS RECEIVABLE—INVESTMENT.

LAKE VIEW CEMETERY.

RECEIPTS.

Balance January 1st 1892.....	\$ 7,875 00
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DISBURSEMENTS.

Balance January 1st, 1891.....	\$ 6,375 00
Deposit in Burlington Trust Co.....	500 00
“ “ “ Savings Bank.....	1,000 00
	\$ 7,875 00

BILLS RECEIVABLE — INVESTMENT. ELMWOOD AVENUE CEMETERY.

RECEIPTS.

From John Dawson, for his note due June 1, 1891...	\$ 1,000 00
F. S. Hayes, for his note due July 1, 1891.....	1,000 00
Alfred Johnston, for his note due Sept. 1, 1891	3,000 00
Balance.....	12,465 00
	\$17,465 00

DISBURSEMENTS.

Loan to W. S. Arnold, note September 1, 1891, due in 5 years.....	\$ 2,000 00
Cash on hand, uninvested.....	3,000 00
Balance January 1st, 1889.....	12,465 00
	\$17,465 00

LAKE VIEW CEMETERY—TRUST FUNDS.

RECEIPTS.

Amount reported January 1st, 1891.....	\$ 6,425 00
“ received from Hilar Roby’s estate.....	500 00
“ “ from W. W. Henry & T. S. Peck, trustees of Gen. Stannard Fund.....	100 00
Amount received from Mrs. Harriet A. Weaver’s estate.....	100 00
Amount received from F. M. Van Sicklen.....	200 00
“ “ “ Jo D. Hatch.....	250 00
Amount invested in Trust Fund, Burlington Savings Bank.....	300 00
	\$7,875 00

ELMWOOD AVENUE CEMETERY—TRUST FUND.

RECEIPTS.

From John N. Pomeroy’s estate.....	\$12,465 00
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INTEREST ACCOUNT—LAKE VIEW CEMETERY.

RECEIPTS.

From interest on loans.....\$ 315 00

DISBURSEMENTS.

Paid Cemetery Commissioners.....	\$	315 00
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INTEREST ACCOUNT—ELMWOOD AVENUE
CEMETERY.

RECEIPTS.

From interest on loans.....	\$ 847.90
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DISBURSEMENTS.

Paid Cemetery Commissioners.....	\$	847 90
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LAKE VIEW CEMETERY.

RECEIPTS.

From balance	January 1st, 1891	\$	1,053	94
“	Cemetery Commissioners		2,345	17
“	Interest account		309	00
			<u>\$3,708</u>	<u>11</u>

DISBURSEMENTS.

Paid Cemetery Commissioners, checks	\$ 2,878 46
“ Investment in Trust Fund	300 00
Balance January 1st, 1892	529 65
	<hr/>
	\$3,708 11

ELMWOOD AVENUE CEMETERY.

RECEIPTS.

From balance January 1st, 1891.....	\$ 697 07
“ Cemetery Commissioners.....	215 05
“ Interest account.....	847 90
	<hr/>
	\$1,760 02

DISBURSEMENTS.

Paid Cemetery Commissioners, checks	\$ 639 41
Balance January 1st, 1892	1,120 61
	<hr/>
	\$1,760 02

RECAPITULATION.

Amount invested on account of Lake View Cemetery	\$7,875 00
Amount invested on account of Elmwood Avenue Cemetery	9,465 00
Amount uninvested on account of Elmwood Avenue Cemetery	3,000 00
	<hr/>
	\$12,465 00
Unexpended balance to credit of Lake View Cemetery	\$ 529 65
“ “ “ “ Elmwood Avenue Cemetery	1,120 61

Respectfully submitted,

G. D. WELLER,

City Treasurer.

Burlington, Vt., Dec. 31st, 1891.

We have examined the foregoing account of the City Treasurer, together with the books and vouchers, and find them correct.

M. H. STONE,	} <i>Auditors.</i>
H. R. WING,	
W. C. ISHAM,	

REPORT
OF THE
TRUSTEE OF U.S. DEPOSIT MONEY.

To the City Council of the City of Burlington:

GENTLEMEN:—I herewith hand you a statement of the United States Deposit Money.

RECEIPTS.

Amount of United States Deposit Money received at last statement.....	\$22,882 40
Amount received from H. F. Field, State Treasurer, on redistribution of Census of 1890.....	6,483 52
	\$29,365 92

The above fund is loaned to the City of Burlington, for which amount I hold the notes of the City Treasurer.

INCOME FROM ABOVE LOAN.

RECEIPTS.

From G. D. Weller, City Treasurer, interest on loan of \$22,882 40.....	\$1,372 94
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DISBURSEMENTS.

Paid H. O. Wheeler, Treasurer of the School Department \$1,372 94

Respectfully submitted,

G. D. WELLER,

Trustee of the U. S. Deposit Money.

Burlington, Vt., December 31st, 1891.

We have examined the accounts of G. D. Weller, Trustee of the United States Deposit Money, and find the same as above stated.

M. H. STONE, }
H. R. WING, } *Auditors.*
W. C. ISHAM, }

REPORT OF THE CITY TREASURER.

To the City Council of the City of Burlington:

GENTLEMEN :—I herewith present to you the twenty-seventh annual report of the City Treasurer, from January 1st to December 31st, 1891, inclusive :

BONDED DEBT.

Improvement Bonds 6s, due July 1, 1893.....	\$ 20,000 00
“ “ 6s, due July 1, 1894.....	15,000 00
Water Bonds 6s, due July 1, 1894.....	30,000 00
Refunded Water Bonds 4s, due July 1, 1906.....	160,000 00
“ R. R. Bonds 4s, 20 / 40s, dated April 1, 1891, option after 20 years.....	160,000 00
Total Bonded Debt.....	\$385,000 00
Less Sinking Fund.....	101,013 69
Net Bonded Debt.....	\$283,986 31

BILLS PAYABLE.

LOANS—RECEIPTS.

From balance January 1, 1891, U. S. D. money....	\$22,882 40
“ “ “ 1, 1891, temporary loan....	12,000 00

From G. D. Weller, Trustee of U. S. D. money, for amount received of H. F. Field, State Treasurer, on redistribution of U. S. D. money under Cen- sus of 1890	\$ 6,483 82
From temporary loans for 1891	26,000 00
	<hr/>
	\$67,366 22

DISBURSEMENTS.

Paid temporary loans.....	\$38,000 00
Balance for U. S. D. money.....	29,366 22
	<hr/>
	\$67,366 22

RATHBUN FUND.

RECEIPTS.

From S. R. Rathbun, for maintenance of his lot in Green Mount Cemetery.....	\$150 00
--	----------

NEW RESERVOIR—LOAN ACCOUNT.

RECEIPTS.

From late account, January 1, 1891.....	\$25,000 00
---	-------------

DISBURSEMENTS.

Paid Sinking Fund, 3 notes.....	\$ 7,500 00
Balance	17,500 00
	<hr/>
	\$ 25,000 00

BILLS RECEIVABLE—SINKING FUND INVESTMENT.

RECEIPTS.

From City of Burlington for twelve 5 per cent 10-40 Bonds, of \$5,000 each, dated April 1, 1880 ; Nos. 1 to 8, and 10 to 13, inclusive, redeemed and cancelled.....	\$ 60,000 00
--	--------------

From City of Burlington reservoir note No. 3, due September 1, 1891.....	2,500 00
	<u>\$ 62,500 00</u>
Balance	103,600 00
	<u>\$166,100 00</u>

DISBURSEMENTS.

Balance January 1, 1891.....	\$106,600 00
Paid City of Burlington for sixty 4 per cent 20-40 Bonds of \$1,000 each, dated April 1, 1891 ; Nos. 100 to 160, inclusive	60,000 00
	<u>\$166,100 00</u>

REFUNDING BONDS—PREMIUM ACCOUNT.

RECEIPTS.

From Premiums on sale of Bonds.....	\$2,110 00
-------------------------------------	------------

DISBURSEMENTS.

Paid American Bank Note Company for Bonds...	\$ 345 00
“ Advertising for Proposals.....	92 36
Balance to Sinking Fund interest account.....	1,672 64
	<u>\$2,110 00</u>

BILLS RECEIVABLE—B. & L. RAILROAD.

DISBURSEMENTS.

For 1,600 shares of Capital Stock.....	\$160,000 00
--	--------------

BURLINGTON WATER WORKS—CONSTRUCTION.

RECEIPTS.

From late account January 1, 1891	\$106,480 55
From appropriation from City Tax for the purchase of the Burbank Homestead.....	1,750 00
From appropriation for new water main in Park Avenue.....	2,600 00
From appropriation for general construction	1,416 90
	<u>\$112,247 45</u>

DISBURSEMENTS.

Amount of late account Jan. 1, 1891.....	\$331,580 55
Paid for Burbank Homestead to enlarge reservoir grounds.....	1,750 00
Paid Mayor's warrants to F. H. Crandall, Superintendent.....	4,016 90
	<hr/>
	\$337,347 45

NEW RESERVOIR—CONSTRUCTION.

RECEIPTS.

From late account January 1, 1891.....	\$ 12,917 00
“ tax collections.....	84 60
“ sinking fund.....	22,500 00
	<hr/>
	\$35,501 60

DISBURSEMENTS.

Amount of late account January 1, 1891.....	\$32,338 48
Paid Mayor's warrants to F. H. Crandall, Superintendent.....	3,163 12
	<hr/>
	\$35,501 60

WATER WORKS—CURRENT.

RECEIPTS.

From balance January 1, 1891.....	\$ 88 31
Appropriation from Water Collections.....	17,083 10
Collections for pipe, etc., sold by F. H. Crandall....	3,136 80
	<hr/>
	\$20,308 21

DISBURSEMENTS.

Paid Mayor's warrants to F. H. Crandall, Superintendent, for current expenses.....	\$ 12,724 81
For pumping.....	6,905 12
For water meters, balance.....	424 60
	<hr/>
	\$20,054 53
Unexpended balance.....	253 68
	<hr/>
	\$20,308 21

WATER METERS.

RECEIPTS.

From sales of meters.....	\$ 408 48
“ transfer to Water Works current.....	424 60
	<u>\$ 833 08</u>

DISBURSEMENTS.

Paid Mayor's warrants to F. H. Crandall, Supt.....	\$ 833 08
--	-----------

WATER TAXES.

RECEIPTS.

From balance, January 1st, 1891.....	\$ 7,338 16
“ collections of water rates.....	35,589 19
	<u>\$42,927 35</u>

DISBURSEMENTS.

Paid interest account on water bonds.....	\$10,263 00
“ F. H. Crandall, Supt. construction account....	4,016 90
“ “ “ “ current account.....	17,083 10
“ City tax, 1891.....	8,500 00
Unexpended balance.....	3,064 35
	<u>\$42,927 35</u>

CITY HALL BUILDING.

DISBURSEMENTS.

Paid trustee of United States deposit money.....	\$ 8,648 18
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CITY TAX, 1890.

RECEIPTS.

From balance January 1st, 1891	\$ 72 84
--------------------------------------	----------

DISBURSEMENTS.

Amount transferred to City tax 1891.....	\$ 72 84
--	----------

CITY TAX, 1891.

RECEIPTS.

From Tax Collections of 1891.....	\$77,620 48
“ “ “ “ 1890.....	72 84
“ transfer from Sinking Fund for interest....	2,500 00
“ “ “ Water collections.....	8,500 00
	<hr/>
	\$88,693 32

DISBURSEMENTS.

Paid E. W. Peck, County Treasurer, tax of 1891....	\$ 729 50
“ Henry F. Field, State Treasurer, amount of State School Tax of 1891.....	5,371 19
Paid overdrafts of the several departments for 1890..	1,574 10
Appropriation to School Department.....	27,000 00
“ “ Fletcher Free Library.....	2,200 00
“ “ Criminal and Police.....	4,500 00
“ “ Fire Department.....	5,500 00
“ “ Public Buildings and Parks.....	3,500 00
“ “ Street Light Department.....	10,000 00
“ “ Health Department.....	800 00
“ “ Incidental Department.....	5,000 00
“ “ Sewer Department.....	4,500 00
“ “ Pauper Department.....	4,000 00
“ “ Interest account, Aid Bonds.....	7,200 00
“ “ “ “ Improvement Bonds..	2,100 00
“ “ “ “ U. S. D. Money.....	1,372 94
“ “ “ “ Water Works Con- struction, Burbank Homestead.....	1,750 00
Appropriation to Interest account, temporary loans	474 00
“ “ “ “ Rathbun Fund.....	6 75
“ “ “ “ Reservoir Construction	1,000 00
	<hr/>
	\$88,578 48
Unexpended balance.....	114 84
	<hr/>
	\$88,693 32

CRIMINAL AND POLICE.
RECEIPTS.

Appropriation for overdraft in 1890.....	\$ 11 48
“ “ current expenses.....	4,500 00
Overdraft to balance.....	80 81
	<hr/>
	\$4,592 29

DISBURSEMENTS.

Overdraft January 1st, 1891.....	\$ 11 48
Paid Jerome Dumas, Chief of Police.....	200 00
Paid Jerome Dumas, Chief of Police disbursements	3,261 00
“ Burlington Gas Light Co.....	195 77
“ N. E. Telephone and Telegraph Co.....	37 24
“ H. S. Peck, Judge, costs in City Court.....	532 75
“ H. S. Peck, Justice, costs in Justice Court...	34 06
“ E. E. Davis, Justice, costs in Justice Court....	19 59
“ Smith & Humphrey, Uniforms.....	140 15
“ P. C. Dodge, advertismint in Clipper.....	2 50
“ M. D. L. Thompson, printing.....	2 75
“ George A. Hall, Chairs.....	8 00
“ Thos. Reeves, Sheriff, boarding prisoners....	45 50
“ Burlington Water Works.....	19 00
“ E. Lyman & Co., coal bill.....	82 50
	<hr/>
	\$4,592 29

CRIMINAL COSTS IN CITY COURT.**RECEIPTS.**

From fines and costs paid Treasurer.....	\$490 09
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DISBURSEMENTS.

Amount transferred to Incidental account.....	\$490 09
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DOG LICENSES.**RECEIPTS.**

From C. E. Allen, City Clerk.....	\$491 10
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DISBURSEMENTS.

Paid William Francis, killing dogs.....	\$ 3 00
“ Sundry persons, damage by dogs.....	31 00
“ S. Huntington, Tr. F. F. Library (see resolution)	397 10

	\$431 10
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Unexpended balance.....	60 00
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	\$491 10
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FIRE DEPARTMENT.**RECEIPTS.**

From City Tax for overdraft in 1891	\$ 235 81
Appropriation from City Tax.....	5,500 00
From F. E. Perkins, Chief Engineer, hose sold.....	225 00

	\$5,960 81
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DISBURSEMENTS.

Amount of overdraft in 1891	\$ 235 81
Paid F. E. Perkins, Chief Engineer, salary.....	200 00
Hook and Ladder Co. current expenses.....	469 99
Boxer Engine Co. “ “	440 68
Ethan Allen Engine Co. “ “	454 44
Barnes Hose Co. “ “	367 46
Star Hose Co. “ “	365 77
Howard Hose Co. “ “	153 55
A. C. Spear Fire Co. “ “	265 00
G. D. Sherwin care of and supplies for Fire Alarm.....	547 16
F. E. Perkins, Chief Engineer, supplies.....	22 61

Paid Sherman Band, annual inspection.....	\$ 45 00
Burlington Cotton Mills Co.....	9 00
W. H. Lane & Son	5 50
G. S. Blodgett & Co.....	3 00
Burlington Gas Light Co.....	250 91
C. R. Hayward, hall rent, Boxers.....	125 00
H. E. Adams & Son, testing alarm.....	20 00
Moses Murray, Assistant Engineer, salary....	12 50
J. E. Bradley, Assistant Engineer, salary....	25 00
J. E. Wakefield, rope, etc.....	7 44
G. W. Wales, rubber coat.....	4 00
Alex Crosby, repairs.....	25 25
Lang, Goodhue & Co. repairs.....	50 20
Eureka Fire Hose Co. supplies.....	17 00
Burlington Water Works, suction pump.....	41 27
S. Eastman & Co. nozzles and holders.....	140 00
Elias Lyman & Co. coal bill.....	270 00
G. A. Hall, furniture for engineers room....	12 25
O. Dupaw, testing hose and cartage	11 00
W. H. Lane & Son, horse hire.....	3 00
Free Press Association, printing	22 50
Burlington Water Works, for water.....	1,200 00
	<hr/>
	\$5,822 29
Unexpended balance.....	138 52
	<hr/>
	\$5,960 81

FLETCHER FREE LIBRARY.

RECEIPTS.

Appropriation for overdraft.....	\$ 41 21
“ “ current expenses.....	2,200 00
“ from dog licenses.....	397 10
	<hr/>
	\$2,638 31
Overdraft to balance.....	44 64
	<hr/>
	\$2,682 95

DISBURSEMENTS.

Overdraft January 1st, 1891	\$ 41 21
Paid Sarah C. Hagar, librarian	2,210 64
T. S. Peck, insurance	34 00
S. Huntington, treasurer, dog licenses	397 10
	<hr/>
	\$2,682 95

HEALTH DEPARTMENT.

RECEIPTS.

Appropriation for overdraft	\$ 36 58
“ “ current expenses	800 00
Overdraft to balance	4 29
	<hr/>
	\$840 87

DISBURSEMENTS.

Overdraft, January 1st, 1891	\$ 36 58
Paid Dr. J. C. Rutherford	242 35
Dr. H. A. Crandall	321 75
C. E. Allen, City Clerk, physicians' registration fees	182 25
Free Press Association, printing	18 50
R. S. Stiles, printing	10 00
F. N. Whitney, printing	11 00
M. D. L. Thompson, printing	10 50
Wells & Richardson Co., supplies	7 94
	<hr/>
	\$840 87

LOUISA H. HOWARD FUND.

RECEIPTS.

From J. A. Arthur, Executor, Firemen's Fund	\$500 00
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DISBURSEMENTS.

Deposited in Merchants National Bank, Savings Department	\$500 00
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IMPROVEMENT OF STREETS AND SEWERS.

DISBURSEMENTS.

Balance January 1st, 1891.....\$35,000 00

INCIDENTAL DEPARTMENT.

RECEIPTS.

Appropriation for overdraft.....	\$ 443 50
Appropriation for current expenses.....	5,000 00
From E. Henry Powell, State Auditor, for boarding L. H. Mineau in jail, from Dec. 1, 1890, to Feb. 4, 1891.....	31 50
From T. Reeves, Sheriff, for error in board bill of L. H. Mineau.....	1 50
From P. E. Pease, Liquor Agent, profit and loss ac- count	58 53
Amount received for licenses.....	263 00
“ rent received from Public Buildings.....	983 00
“ profit and loss account from E. Selden, Liquor Agent.....	762 34
Costs received from Criminal Department.....	490 09
	<hr/>
	\$8,033 46

DISBURSEMENTS.

Overdraft January 1st, 1891.....	\$ 443 50
Paid M. H. Stone, H. R. Wing and W. C. Isham, Auditors	105 00
Paid A. McGaffey, Quarter Master.....	100 00
“ Burlington Water Works, water for water troughs	250 00
“ E. C. Mower, Assessor.....	262 50
“ Fred Johonnott, “	260 00
“ E. F. Brownell, “	232 00

Paid	L. A. Drew, Assisting Assessors.....	\$ 20 00
"	Thomas Failey, " "	26 00
"	Chas. L. Steinkamp, " "	20 00
"	Fred Shortsleeves, " "	22 00
"	H. L. Moore, " "	11 00
"	Free Press Association, advertising and printing	568 57
"	M. D. L. Thompson, printing	142 50
"	R. S. Styles, "	129 25
"	F. N. Whitney, " and advertising	16 00
"	P. C. Dodge, " " "	7 25
"	Barrett & Johnson, advertising and office stamps	13 00
"	S. Huntington & Co., supplies	9 72
"	Whitney & Shanley, "	117 80
"	William Scott, binding	151 12
"	N. E. Tel. and Telegraph Co.	35 99
"	C. E. Allen, clerk, office expenses	101 46
"	J. W. Russell, City Attorney	253 36
"	A. G. Whittemore, City Attorney	204 75
"	P. Farrell, serving notices	14 00
"	Consumers Ice Co. for Ice	10 10
"	W. A. Sawyer, supplies	5 00
"	C. W. Brownell, jr, 1 copy Revised Laws	1 50
"	L. P. Wait & Co., three copies City Directory	6 00
"	H. Carlos Smith, carriages for Alderman Trick's funeral	12 00
"	J. Wakefield, care of awnings	1 00
"	A. B. Fisher, election booths	196 08
"	D. W. C. Clapp, ballot boxes, etc	13 73
"	15 Inspectors and 21 Clerks, City Election...	108 00
"	U. A. Woodbury, room rent, city election	10 00
"	F. C. Dougherty, cleaning Star Hose House	5 00
"	M. Wall, cleaning Barnes Hose House	5 00
"	C. R. Nash, water cooler for office	3 25
"	Burnham & Grant, framing map	4 00

Paid G. H. Kinsley, case of drawers.....	\$	3 00
“ R. S. Taft, one volume Selectmen’s Report...		4 00
“ C. Hildreth, cleaning office clock.....		1 00
“ W. A. Crombie, 1 qr. salary, Mayor.....		75 00
“ Seneca Haselton, 3 qr. salary, Mayor		225 00
“ Charles E. Allen, City Clerk, salary and clerk..		1,200 01
“ G. D. Weller, City Treasurer, salary and clerk..		1,500 00
“ T. Reeves, Sheriff, boarding L. H. Mineau in Jail.		33 00
“ City Treasurer, Postage and Office Expenses....		110 72
		<hr/>
		\$7,049 16
Unexpended balance.....		984 30
		<hr/>
		\$8,033 46

INTEREST ACCOUNT—IMPROVEMENT BONDS, 6s.**RECEIPTS.**

Appropriation from City Tax.....\$2,100 00

DISBURSEMENTS.

Paid Ninth National Bank, N. Y. City.....\$2,100 00

INTEREST ACCOUNT—REFUNDING RAILROAD 4s.**RECEIPTS.**

Appropriation from City Tax.....\$7,200 00

DISBURSEMENTS.

Paid Ninth National Bank, N. Y. City.....\$4,000 00

“ Fourth National Bank, N. Y. City.....3,200 00

\$7,200 00

INTEREST ACCOUNT—WATER BONDS, 4s.**RECEIPTS.**

From Water Works Collections.....\$6,723 00

DISBURSEMENTS.

Paid Fourth National Bank, N .Y. City.....	\$ 807 00
“ Springfield Institution for Savings.....	4,000 00
“ National Life Insurance Company.....	500 00
“ Sinking Fund.....	1,416 00
	<hr/>
	\$6,723 00

INTEREST ACCOUNT—WATER BONDS, 6s.

RECEIPTS.

From Water Collections.....	\$3,540 00
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DISBURSEMENTS.

Paid Ninth National Bank, N. Y. City.....	\$3,540 00
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INTEREST ACCOUNT—RESERVOIR.

RECEIPTS.

From City Tax of 1891.....	\$1,000 00
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DISBURSEMENTS.

Paid Cemetery Commissioners, interest.....	\$ 125 00
“ Sinking Fund, interest.....	875 00
	<hr/>
	\$1,000 00

INTEREST ACCOUNT AND COLLECTIONS.—
SINKING FUND.

RECEIPTS.

From interest on Registered Bonds.....	\$ 2,700 00
“ “ “ Coupon Bonds.....	1,416 00
“ “ “ Reservoir Notes.....	875 00
“ Tax Collections.....	5,355 00
“ Premium on Bond Account.....	1,672 64
	<hr/>
	\$12,018 64

DISBURSEMENTS.

Amount transferred to Sinking Fund.....	\$12,018 64
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INTEREST ACCOUNT.—TEMPORARY LOANS.

RECEIPTS.

Appropriation from City Tax.....	\$474 00
Interest from Rathbun Fund.....	6 75
	<hr/>
	\$480 75

DISBURSEMENTS.

Paid Interest on Temporary Loans.....	\$474 00
“ O. Cole, Treasurer (Rathbun Fund).....	6 75
	<hr/>
	\$480 75

INTEREST ACCOUNT.—U. S. DEPOSIT MONEY.

RECEIPTS.

Appropriation from City Tax.....	\$1,372 94
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DISBURSEMENTS.

Paid G. D. Weller, Trustee of U. S. Deposit Money	\$1,372 94
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LICENSE DEPARTMENT.

RECEIPTS.

From Barnum & Bailey's Great Show.....	\$100 00
“ Chas. E. Allen, City Clerk.....	163 00
	<hr/>
	\$263 00

DISBURSEMENTS.

Amount transferred to Incidental account.....	\$263 00
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LIQUOR AGENCY—P. E. PEASE, AGENT.

RECEIPTS.

Amount from P. E. Pease, Agent.....	\$300 00
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DISBURSEMENTS.

Balance January 1st, 1890.....	\$241 47
Amount transferred to Incidental account.....	58 53
	<hr/>
	\$300 00

LIQUOR AGENCY—E. SELDEN, AGENT.

RECEIPTS.

From E. Selden, Agent, sales of liquors.....	\$6,577 00
Invoice of liquors on hand.....	775 35
	<hr/>
	\$7,352 35

DISBURSEMENTS.

Invoice of liquors on hand January 1st, 1891.....	\$ 717 26
Paid James A. Webb & Sons.....	503 35
“ Columbia Distilling Co.....	845 17
“ James M. Bell & Co.....	704 53
“ C. H. Graves & Sons.....	692 79
“ Davis, Waters & Co.....	1,119 05
“ A. W. Balch & Co.....	326 05
“ Clarence M. Root.....	92 41
“ J. H. Sutliff.....	29 00
“ Charles Stern & Sons.....	307 28
“ P. W. Engs & Sons.....	22 50
“ Devereaux & Meserve.....	99 75
“ E. Selden, Agent, freight bills.....	170 91
“ Burlington Gas Light Company.....	49 96
“ Hickok & Bailey, Insurance.....	3 00
“ Burlington Water Works.....	7 00
“ City Hall for rent.....	300 00
“ E. Selden, Agent, Salary.....	600 00
	<hr/>
	\$6,590 01
Profit and loss to Incidental account.....	762 34
	<hr/>
	\$7,352 35
New account, Dr. Liquors on hand.....	775 35

MINISTERIAL FUND.

RECEIPTS.

From collection of Rents.....	\$ 49 88
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DISBURSEMENTS.

Paid H. Hickok, Treasurer.....	\$ 24 94
“ H. Green, Treasurer.....	24 94
	<hr/>
	\$ 49 88

PAUPER DEPARTMENT.

RECEIPTS.

Balance January 1st, 1891.....	\$250 00
Appropriation from City Tax.....	4,000 00
	<hr/>
	\$4,250 00

DISBURSEMENTS.

Paid G. A. Rumsey, Overseer of Poor.....	\$3,850 00
Unexpended balance.....	400 00
	<hr/>
	\$4,250 00

PUBLIC BUILDINGS AND PARKS.

RECEIPTS.

Appropriation for overdraft.....	\$ 363 32
Appropriation from City Tax.....	3,500 00
Amount transferred to Criminal department for coal.....	82 50
Amount transferred to Street department for coal.....	33 60
	<hr/>
	\$3,979 42
Overdraft to balance.....	895 57
	<hr/>
	\$4,874 99

DISBURSEMENTS.

Overdraft January 1st, 1891.....	\$363 32
Paid Burlington Gas Light Co.	167 02
W. H. Townsend, for Water Works office....	402 68
D. W. C. Clapp, general repairs.....	358 34
Chas. Ritchie, “ “.....	66 10
J. E. Lanou, plumbing City Hall and fountains.....	263 10

Paid C. R. Nash, plumbing City Hall.....	\$ 51 65
M. Meagher, " " " and fountains.....	24 67
E. A. Smith, painting Water and Assessors offices.....	121 12
Munson Bros., repairs locks.....	3 25
E. L. Stegman, glazing.....	5 66
J. W. Hayes, coal bill in 1890.....	134 55
E. Lyman & Co., coal invoice.....	278 37
Hickok & Bailey, insurance City Hall and Ethan Allen Engine House.....	129 00
Roberts Bros., insurance on Ethan Allen En- gine House.....	90 00
T. S. Peck, insurance City Hall and Ethan Al- len Engine House.....	202 50
Patrick Farrell, care of City Hall Park.....	60 00
Peter Sheeran, grading City Hall Park.....	55 68
Jerry Benoit, manure City Hall Park.....	64 50
Zeb. Blair, manure Public Parks.....	25 50
A. G. Strong, chain for market ground.....	17 64
Eugene F. Moore, on account of Concrete Walk in City Hall Park.....	700 00
W. E. Greene, paint for public buildings.....	33 85
J. R. Booth, lumber and wood for Star Hose House.....	57 99
J. J. McLaughlin, hard wood floor in Ward House in Ward 1.....	75 00
C. G. Peterson, for paper in Assessors' office..	14 13
A. W. Johnson, for paper in Water Office....	27 45
G. D. Weller, adamant plaster for Water Office	16 25
A. R. Dow, survey and map, City Hall Park..	11 00
M. Bissett, trees in Park.....	2 00
A. G. Peirce, merchandise for Parks.....	23 89
U. Caise, painting fountains.....	25 00

Paid C. P. Morse, work at fountain and Library	
Building	\$ 11 75
Miles & McMahon, paper for City Hall.....	2 64
H. J. Nelson, curtains for Assessors' Office....	15 55
J. W. Goodell, repairs Public Buildings.....	12 00
Skillings, Whitneys & Barnes, for lumber....	4 12
N. B. Shortsleeves, work in Constable's Office..	11 65
Jules Desjardins, work, City Hall.....	5 45
Peter Ritchie, " "	1 98
S. T. Greene, " "	1 10
John Griffin, " "	50
Street Department, work, Buildings and Parks	335 14
P. Farrell, Janitor, City Hall.....	377 00
G. D. Weller, Janitor, for supplies.....	21 90
Water Works, water for City Hall.....	28 00
Water Works, water for Fountains.....	75 00
V. G. Barbour, appropriation for College Park	100 00
	<hr/>
	\$4,874 99

PUBLIC BUILDINGS—RENTS.

RECEIPTS.

From Collections of Rents.....	\$983 00
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DISBURSEMENTS.

Amount transferred to Incidental Account.....	\$983 00
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SCHOOL DEPARTMENT.

RECEIPTS.

From balance January 1st, 1891.....	\$ 1,717 86
H. F. Field, State Treasurer, Huntington Fund	559 99
" " " " State School Tax..	624 39
Appropriation from City Tax.....	27,000 00
Interest on United States Deposit Money.....	1,372 94
" " City Bonds.....	84 00

From Rents on Lease Lands.....	\$ 159 21
H. O. Wheeler, Superintendent, tuition.....	1,158 10
	<hr/>
	\$32,676 49

DISBURSEMENTS.

Paid warrants drawn by Finance Committee for cur- rent expenses	\$29,972 80
Interest account on loans.....	251 00
Error in credit of Lease Lands.....	8 25
	<hr/>
	\$30,232 05
Balance to new account.....	\$ 2,444 44

SCHOOL FUNDS—RENTS.

RECEIPTS.

From collections of Rent on Lease Lands.....	\$182 48
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DISBURSEMENTS.

Paid J. E. Smith, Treasurer, South Burlington....	\$ 23 27
Amount transferred to School Department.....	159 21
	<hr/>
	\$182 48

SEWER DEPARTMENT.

RECEIPTS.

Appropriation from City Tax.....	\$4,500 00
Collection of Sewer Assessments.....	4,019 29
Overdraft to balance.....	401 20
	<hr/>
	\$8,920 49

DISBURSEMENTS.

Balance, January 1st, 1891.....	\$ 825 79
Paid F. P. Stearns, Sanitary Engineer.....	402 32
H. Stevens, Superintendent.....	7,692 38
	<hr/>
	\$8,920 49

SINKING FUND.

RECEIPTS.

From late account January 1st, 1891.....	\$113,995 05
Interest and collections.....	12,018 64
	<hr/> \$126,013 69

DISBURSEMENTS.

Amount transferred to Reservoir Construction	\$ 22,500 00
Amount transferred to City Tax of 1891.....	2,500 00
Balance to new account.....	101,013 69
	<hr/> \$126,013 69

STREET DEPARTMENT.

RECEIPTS.

From late account January 1st, 1891.....	\$ 1,879 11
Tax Collections.....	25,440 00
Public Building and Parks.....	335 14
H. Stevens, Superintendent.....	3,076 61
	<hr/> \$ 30,730 86

DISBURSEMENTS.

Paid Burlington Gas Light Co.....	\$ 8 73
E. Lyman & Co. coal bill.....	39 35
A. R. Dow, Chief Engineer, special work....	100 00
L. B. & F. Howe, damages on highway.....	30 00
R. McLaughlin, damage on highway.....	15 00
Mrs. Grogan, damage by sewer.....	13 90
H. Stevens, Superintendent.....	28,692 91
	<hr/> \$28,899 89
Balance to new account.....	1,830 97
	<hr/> \$30,730 86

STREET LIGHT DEPARTMENT.

RECEIPTS.

Appropriation for overdraft.....	\$ 442 20
Appropriation for current.....	10,000 00
	\$10,442 20

DISBURSEMENTS.

Balance January 1st, 1891	\$ 442 20
Paid Burlington Gas Light Co.....	9,985 05
H. C. Smith, light in Mechanics street.....	10 00
	\$10,437 25
Balance to new account.....	4 95
	\$10,442 20

TAX COLLECTIONS—1890.

RECEIPTS.

From balance January 1st, 1891.....	\$ 270 31
J. E. Lavell, Constable, collector for 1889....	57 47
" " " " " " 1890....	1,779 58
	\$2,107 33

DISBURSEMENTS.

Taxes refunded on Mayor's warrants.....	\$ 45 75
Amount transferred to Collections of 1891.....	1,976 98
Appropriation to Reservoir Construction.....	84 60
	\$2,107 33

TAX COLLECTIONS--1891.**RECEIPTS.**

From City Treasurer for collections.....	\$122,411 86
From J. E. Lavell, Constable, collections for 1889 and 1890.....	1,976 98
From J. E. Lavell, Constable, collections for 1891.....	3,007 55
	<hr/>
	\$127,396 39
Balance January 1st, 1892.....	488 97
	<hr/>
	\$127,885 36

DISBURSEMENTS.

Amount of State Tax collections.....	\$19,208 90
Appropriation to City Tax	77,620 48
“ “ Street Department.....	25,440 00
“ “ Sinking Fund	5,355 00
Paid taxes refunded on Mayor's warrants	260 98
	<hr/>
	\$127,885 36

STATE TAX 1891.**RECEIPTS.**

From State Tax collections	\$19,208 90
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DISBURSEMENTS.

Paid H. F. Field, State Treasurer.....	\$9,604 45
Bills receivable.....	9,604 45
	<hr/>
	\$19,208 90

CITY TREASURER'S BALANCE SHEET FOR THE YEAR 1891.

	DISBURSEMENTS.	RECEIPTS.	DR. BALANCE.	CR. BALANCE.
Bills Payable, Water Bonds, 6s.....	\$ 225,000 00	\$ 255,000 00	-----	\$ 30,000 00
Bills Payable, Water Bonds, 4s.....	-----	160,000 00	-----	160,000 00
Bills Payable, Improvement Bonds, 6s.....	-----	35,000 00	-----	35,000 00
Bills Payable, Railroad Refunding, 5s.....	-----	160,000 00	-----	-----
Bills Payable, Railroad Refunding, 4s.....	160,000 00	160,000 00	-----	160,000 00
Bills Payable, Rathbun Fund.....	-----	150 00	-----	150 00
Bills Payable, Reservoir Loan, 5s.....	7,500 00	25,000 00	-----	17,500 00
Bills Payable, Temporary Loan.....	38,000 00	67,366 22	-----	29,366 22
Bills Payable, Sinking Fund Investment.....	166,100 00	62,500 00	\$103,600 00	-----
Bills Receivable, Railroad Stock.....	160,000 00	-----	160,000 00	-----
Bills Receivable, Louisa H. Howard Fund.....	500 00	-----	500 00	-----
Bills Receivable, State Tax.....	9,604 45	-----	9,604 45	-----
Burlington Water Works Construction.....	337,347 45	112,247 45	225,100 00	-----
Burlington Water Works Current.....	20,054 53	20,308 21	-----	253 68
Burlington Water Works Reservoir Construction.....	35,501 60	35,501 60	-----	-----
Burlington Water Works Collections.....	39,863 00	42,927 35	-----	3,064 35
City Hall Building.....	8,648 18	-----	8,648 18	-----
City Tax, 1890.....	72 84	72 84	-----	-----
City Tax, 1891.....	88,578 48	88,693 32	-----	114 84
Criminal and Police.....	4,592 29	4,511 48	80 81	-----
Criminal Costs and Fines.....	490 09	490 09	-----	-----
Fire Department, Current.....	5,822 29	5,960 81	-----	138 52
Fletcher Free Library.....	2,632 95	2,638 31	44 64	-----
Health Department.....	840 87	836 58	4 29	-----
Howard, Louisa H., Fund.....	-----	500 00	-----	500 00
Improvement of Streets and Sewers.....	35,000 00	-----	35,000 00	-----
Incidental Department.....	7,049 16	8,033 46	-----	984 30
Interest Account, Water Bonds, 6s.....	3,540 00	3,540 00	-----	-----
Interest Account, Water Bonds, 4s.....	6,723 00	6,723 00	-----	-----
Interest account, Water Bonds, 5s.....	1,000 00	1,000 00	-----	-----

Interest Account, Improvement Bonds, 6s.....	\$ 2,100 00	\$ 2,100 00	-----
Interest Account, Railroad Bonds, 4s and 5s.....	7,200 00	7,200 00	-----
Interest Account, Sinking Fund.....	12,018 64	12,018 64	-----
Interest Account, Temporary Loans.....	474 00	474 00	-----
Interest Account, United States Deposit Money.....	1,372 94	1,372 94	-----
Interest Account, Rathbun Fund.....	6 75	6 75	-----
Licenses Department.....	263 00	263 00	-----
Licenses Dogs.....	431 10	491 10	-----
Liquor Agency, P. E. Pease, Agent.....	300 00	300 00	-----
Liquor Agency, E. Selden, Agent.....	7,352 35	7,352 35	-----
Liquor Agency, new account.....	775 35	775 35	-----
Ministerial Fund.....	49 88	49 88	-----
Pauper Department.....	3,850 00	4,250 00	-----
Public Buildings and Parks.....	4,874 99	3,979 42	-----
Public Buildings, Rents.....	983 00	983 00	-----
Refunding Bonds, Premium Account.....	2,110 00	2,110 00	-----
School Department.....	30,232 05	32,676 49	-----
School Fund, Rents on Lease Lands.....	182 48	182 48	-----
Sewer Department.....	8,920 49	8,519 29	-----
Sinking Fund.....	25,000 00	126,013 69	-----
Street Department.....	28,899 89	30,730 86	-----
Street Light Department.....	10,437 25	10,442 20	-----
Tax Collections, 1890.....	2,107 33	2,107 33	-----
Tax Collections, 1891.....	127,885 36	127,396 39	-----
Water Meters.....	883 08	883 08	-----
State Tax, 1891.....	9,604 45	19,208 90	-----
Cash Balance.....	7,286 95	7,286 95	-----
Totals.....	\$1,660,112 51	\$1,660,112 51	\$552,430 41
			\$552,430 41

G. D. WELLER, *City Treasurer.*

We have examined the foregoing account of the City Treasurer, together with the books and vouchers for the items of each department, and find them correct.

M. H. STONE,
H. R. WING,
W. C. ISHAM, } *Auditors.*

Burlington, Vt., Dec. 31st, 1891.

AUDITORS' REPORT.

To the City Council of the City of Burlington:

GENTLEMEN:—We herewith present to you a statement of the receipts and disbursements as shown on the books of the City Treasurer, for the year ending December 31st, 1891 :

RECEIPTS.

Balance January 1st, 1891.....	\$ 8,015 76
Bills Payable.....	160,000 00
“ “ Water bonds.....	25,000 00
Criminal Department.....	490 09
Fire Department.....	225 00
Incidental “	33 00
Licenses—Dogs	491 10
“ Miscellaneous.....	263 00
Liquor Agency, old account.....	300 00
“ 1891.....	6,577 00
Loans, temporary.....	32,483 82
“ Schools	12,000 00
Ministerial Fund.....	49 88
Public buildings, rents.....	983 00
School Department.....	3,799 42
School Fund, rents.....	182 48
Sewer Department.....	4,019 29
Sinking Fund, bonds paid.....	60,000 00
“ Reservoir note paid.....	2,500 00
“ Premium on bonds sold.....	2,110 00
“ Interest account	4,991 00

Street Department.....	\$ 3,411 75
Tax collections, 1889.....	57 47
“ “ 1890.....	1,779 55
“ “ 1891.....	125,419 41
Water Department collections.....	34,010 19
“ “ collections from city.....	1,579 00
“ “ material sold.....	3,136 80
“ “ meters sold.....	408 48
	<hr/>
	\$494,316 49

DISBURSEMENTS.

Bills Payable, Water bonds due Jan. 1st, 1891	\$ 25,000 00
“ “	160,000 00
“ “ Sinking Fund.....	60,000 00
Criminal Department.....	4,479 31
County Tax.....	729 50
Dog Department.....	34 00
Extending bonds,—expenses.....	437 36
Fire Department.....	4,386 48
Fletcher Free Library.....	2,641 74
Health Department.....	804 29
Incidental “	6,355 66
Interest account, Bonded Debt.....	19,563 00
“ Reservoir Notes.....	1,000 00
“ Rathbun Fund.....	6 75
“ Temporary Loans.....	474 00
“ U. S. Deposit Fund.....	1,372 94
Liquor Agency.....	5,865 75
Loans, Temporary.....	38,000 00
“ Schools.....	12,251 00
“ Reservoir Note.....	2,500 00
Ministerial Fund.....	49 88

Pauper Department.....	\$ 3,850 00
Public Buildings.....	4,408 67
Sewer Department.....	8,094 70
Street ".....	28,866 29
" Lights.....	9,995 05
School Department.....	29,981 05
" Fund rents.....	23 27
State Tax.....	19,208 90
" Treasurer, School Tax.....	5,371 19
Taxes Refunded.....	306 73
Water Department.....	27,643 03
" " Reservoir Construction.....	1,750 00
" " City Purposes.....	1,579 00
Cash Balance.....	7,286 95
	<hr/>
	\$494,316 49

Yours respectfully,

M. H. STONE, }
H. R. WING, } *Auditors.*
W. C. ISHAM, }

The Mayor's Estimates.

To the Honorable the Board of Aldermen:

GENTLEMEN:—The following statement and estimates are submitted:

ASSETS OF THE CITY, JANUARY 1ST, 1892.

Cash on hand.....	\$7,286 96	
Uncollected taxes, 1890	265 38	
“ “ 1891	2,402 56	
“ water rates, 1891.....	1,843 44	
Amount in Sinking Fund investment not belonging to Sinking Fund ...	2,856 31	
Uncollected Sewer assessments \$1,813 67		
Less overdraft..... 401 20	1,412 47	
	<hr/>	\$16,067_12

The city has made a special deposit of \$9,604.45 to meet the portion of the State Tax payable to the State, June 10, 1892. This is not treated as an asset of the City.

LIABILITIES, JANUARY 1ST, 1892.

Proceeds of School Tax, subject to call of School department	\$2,444 44	
Proceeds of Highway Tax, subject to call of Street department.....	1,830 77	
	<hr/>	\$4,275 21
Net Assets, January 1st, 1892.....		<hr/> \$11,791 91

ESTIMATED RECEIPTS FOR 1892.

From Water Rates.....	\$35,000 00	
Rents.....	650 00	
Criminal department.....	400 00	
Licenses	250 00	
	<u> </u>	\$36,300 00
Total of Net Assets and Estimated Receipts...		\$48,091 91

ESTIMATED CURRENT EXPENSES FOR 1892.

Salaries.....	\$3,200 00	
Pauper department	4,000 00	
Fletcher Library	2,200 00	
Police and Criminal department.....	4,500 00	
Fire department.....	5,500 00	
Public Buildings and Parks	3,500 00	
Street Lights.....	10,000 00	
Health department	800 00	
Water department	18,500 00	
Sewers (except as hereinafter specified)	3,000 00	
School department.....	26,000 00	
Incidental fund	5,000 00	
One Reservoir Note (principal).....	2,500 00	
Interest—		
On Bonded debt.....	\$16,700 00	
On U. S. Deposit fund ...	1,761 96	
On Reservoir notes.....	875 00	
On Temporary loans	500 00	
	<u> </u>	\$19,836 96
		<u> </u>
Amount to be raised by taxation		\$60,445 05

The Grand list for 1891 was \$106,716.11. Should the list for 1892 be equal in amount, as may safely be assumed, a tax of 57 cents will provide the sum of \$60,828.18. The law requires a

highway tax of 15 cents, and the settled and wise policy of the City requires a sinking fund tax of 5 cents. A state school tax of 5 cents must be raised. The requirements thus far pointed out call for a tax for all purposes, City and State, of 82 cents.

There ought, however, to be provision made for special work at the mouth of the main sewer, and the Street Department should have at its disposal a considerable fund in addition to the highway tax required by law. Further facilities should be provided for the accommodation of the Fire Department.

I would recommend that 100 cents on the dollar be regarded as the extreme outside limit of taxation for all purposes, including the State school tax. This rate of taxation will, on the basis of last year's list, provide a liberal fund for permanent improvements in the direction suggested. Moreover, an understood determination to limit taxation to the above rate will, without much doubt, result in some increase of the Grand List.

THE BONDED DEBT.

The gross Bonded Debt of the City is \$385,000, the same in amount as at the beginning of 1891. The amount of the Sinking Fund is \$101,013.69. The net bonded debt is \$283,986.31. During the year 1891 the net bonded debt was decreased \$12,018.64, through a like increase in the Sinking Fund.

SENECA HASELTON,

Burlington, Vt., Feb. 1st, 1892.

Mayor.

REPORT OF THE DIRECTORS

OF

The Mary Fletcher Hospital.

The Mary Fletcher Hospital, the gift of Mary M. Fletcher to the suffering of Vermont, to medical science, and to the profession of nursing, was chartered by the Legislature of Vermont, November 18th, 1876. Its board of directors was organized December 6th, 1876. Shortly afterward, in accordance with the choice of Miss Fletcher, the Directors selected as the site of the Hospital and purchased the Catlin estate, consisting of about 25 acres of high ground overlooking the City from its eastern side. The property thus acquired has been increased by subsequent purchases to about 75 acres, including, beside land devoted to meadow and pasture, a spacious garden, and orchard of 200 fruit trees, and a pine grove. During the years 1877-8 were erected the administrative building, containing also rooms for private patients, the Men's Ward, the Amphitheatre for clinical lectures, and out-buildings, costing about \$50,000. The Hospital was dedicated and opened January 22d, 1879, having a capacity for 27 patients. On the death of Miss Fletcher, February 24th, 1885, the Hospital came into the possession of the bulk of her estate, which, together with the original endowment and gifts for free beds, constitutes a permanent fund, for the maintenance of the hospital, of about \$340,000. During the year 1887 there were added to the Hospital buildings a Woman's Ward, embodying all the latest improvements in hos-

pital construction, an Isolated Ward for severe surgical cases, and a building containing an operating room and a room for the preparation of surgical dressings,—the whole cost being in the neighborhood of \$20,000.

The total capacity of the Hospital is now some fifty beds, through the late enlarging of the Men's Ward. This was built originally for ten beds. In the fall of 1889 the Directors were able to carry out a long cherished plan of extending it to hold twenty beds; this involved almost a new building, which was finished early in 1890. The ward proper is now twice the length it was before; new rooms have been added for those it is not well to have in the main room; a spacious, sunny parlor has been built out on the west; various alterations have been made, till now the new Men's Ward is as well arranged and equipped as the new ward for women, which has been held to be a model in hospital construction.

By the intention of the Founder, and in the method of its administration by the Directors, the Mary Fletcher Hospital is for the benefit of all residents of the State of Vermont whose cases can, for any reason, be better treated in a public institution than by means within the reach of the ordinary practitioner. Cases from outside the State are not refused, if there is room for them, but it is understood that residents of the State have the prior claim.

ENDOWED BEDS.

A Free Bed may be endowed in perpetuity in the hospital for the sum of five thousand dollars. Six have already been thus endowed:

I. The Julia M. Edmunds Bed; endowed by Mr. and Mrs. George F. Edmunds of Burlington, in memory of their daughter, to be occupied by female patients only.

II. The Kate W. Morton Bed; endowed in memory of his daughter, by George Morton of Burlington.

III. The Bethesda Bed ; endowed by our founder, Mary Fletcher, February 11th, 1885—her gift to the First Calvinistic Congregational Church in this city.

IV. The Loomis Bed ; endowed by William, Luther and Horatio Loomis, in memory of their father and mother, Henry and Julia Loomis.

V. The L. G. Ware Bed ; endowed in January, 1889, by the First Congregational Society, Unitarian, and bearing the name of its minister.

VI. The Proctor Bed ; endowed in 1891, by Redfield Proctor, of Proctor.

Persons may be designated by the donors or their representatives, for the free occupancy of an endowed bed, under such regulations as may be made by the Directors.

The Directors commend this form of charity to the attention of those who may be studying the most economical and effective forms of relief to suffering humanity.

DONATIONS

have been made from time to time, to the Hospital, of bed linen, old linen for dressings, fruit and flowers, preserves and other delicacies for the sick ; also of books, magazines, and daily and weekly newspapers sent by the publishers. All these gifts have been most acceptable ; and the Directors desire to make their hearty thanks to the thoughtful givers.

They would also acknowledge thankfully the kindness of the ministers of the various city churches in holding Sunday services in the Hospital ; and the welcome courtesy of the choirs, whose singing has been of special pleasure and comfort to our patients.

A generous benefactor, who witholds his name, has given a parlor organ for use in the Sunday services.

ADMISSION AND REGULATIONS.

In order to prevent, and, so far as may be necessary, to cor-

rect, misapprehension in the public mind as to the field of benevolence occupied by the Mary Fletcher Hospital, the Directors herewith make a brief statement of the principles on which it is conducted:

A hospital is essentially a charity. It is an institution the main object of which is not the making of money, nor the advancement of science, but rather the cure of the sick, the feeble, the injured. It aims to bring the benefits of the most advanced medical science, the most skillful nursing, and the most favoring material and moral conditions, to the relief of the sufferings of all classes. It gives a well appointed temporary home to those whose own homes lack appliances favorable to recovery, and it adds some appliances which the most luxurious homes cannot furnish. It is, thus, we repeat, a public charity, a benefit to all in every class who may need its help.

But it is an expensive charity,—one of the most expensive known to modern civilization. The permanent investment, in grounds, buildings, furniture, instruments, and all arrangements, for securing the most perfect sanitary conditions, is necessarily large. The current expenses, even after allowing for the large amount of gratuitous service rendered, are seen to be very heavy, when it is remembered that the diet must be always choice and often expensive; that the medicine and instruments must be the most effective known to the profession, whatever the cost may be; that the staff of nurses and attendants must be such that whenever, by day, or by night, any kind of service is required, it must be always at hand, wide awake, not impaired by fatigue or confused by conflict of duty. Many times in the history of the Hospital, the Directors have found that the paid servants outnumbered the patients, without being able to see how any of this large staff could be dispensed with. There have been single patients who have required the entire service of a nurse night and day. In many cases the medicines and special

diet of a patient have cost the Hospital more per week than the largest sum paid by those who are regarded as paying patients.

Now it is obvious that with the space and funds at the command of the Hospital, it cannot offer its advantages gratuitously to all without discrimination. Nor should this be expected. A hospital does not exist for the purpose of supplanting the regular medical practitioner, or of providing medical service gratuitously for those who are able to pay for it. In the minds of many persons a hospital implies unlimited resources which the Directors can dispense without stint. As a matter of fact no institutions are more liable to financial straits, because of the natural tendency of hospital directors to extend to suffering humanity a larger charity than their means will permit. The revenues of the Mary Fletcher Hospital, though administered with the strictest economy, are sufficiently taxed by the legitimate claims of charity; for charity, more or less, every patient receives. It has never been proposed by the Directors, it would not be consistent with the liberal views of the founder, that any should be required to pay the full cost of the services rendered. Those who pay most receive fully half they get as a gratuity. But all the sums paid by those who are able to pay anything increase the power of the Hospital to extend its benefits to those who are able to pay nothing. It is upon these principles that patients are received. Those who are poor, homeless, friendless, are understood to have the first claim. Such applicants, when they are fit subjects for hospital treatment, and when there are vacant beds, are never refused. But in order that the largest possible number of such cases may be received, all others are expected to pay on a scale accommodated to their means. We have found that most persons are glad to pay all that could be expected of them. Friends often contribute to the support of those less fortunate than themselves. Employers, recognizing the value to themselves of such an institution in their neighborhood in cases of accident or serious sickness, willingly pay in

part or in full for the care of their employees. We trust the time is coming when the railroad corporations, the manufacturing firms, the churches, all who have numbers of persons in their care, to whom they owe charity in time of distress, will endow beds, available for their use in case of need. And we confidently expect that as the needs of the hospital outgrow its means, other liberal hands will enlarge its resources, so that its doors may be always wide enough to admit all the suffering poor of our State, "without money and without price."

The regulations for admission of patients are hereto appended:

I. No patient suffering from any contagious or infectious disease, shall be admitted, nor any lunatic, nor any maternity case.

II. The regular price of treatment is ten dollars per week. Reductions from this price will be made when satisfactory proof is furnished of the inability of the patient to pay full rates. A limited number of free beds are available for those whose circumstances render them fit subjects for such charity.

III. Applications from outside of Burlington must be made in writing, addressed to the Superintendent, by the attending physician of the patient, accompanied by a full description of the case, and when a free bed, or reduced rates may be desired, by a statement of the pecuniary circumstances of the patient.

IV. Physicians should remember that incurable cases, and those which admit of only temporary relief, are not regarded as suitable subjects for admission.

WALTER CARPENTER, M. D., *President.*

C. P. SMITH, *Secretary.*

SUMMARY
OF THE
Medical and Surgical Report
OF THE
Mary Fletcher Hospital,
FOR THE YEAR ENDING DEC. 31st, 1891.

Total number of patients admitted during the year.....	448
Number of charity patients.....	229
Number of paying patients.....	219
Residents of Vermont.....	394
Residents of Georgia.....	1
Residents of Massachusetts.....	3
Residents of New Hampshire.....	6
Residents of New York.....	43
Residents of Canada.....	1
Total number of deaths.....	9
Number of patients treated at the free medical clinics held in the Hospital Amphitheatre (not included in above report).....	73

B. J. ANDREWS, M. D.,

Superintendent.

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RULES AND REGULATIONS
OF THE
BURLINGTON FIRE DEPARTMENT.

The following Rules and Regulations are hereby adopted to govern the buildings and apparatus of the Burlington Fire Department, as called for in Sec. 2 of Chapter 2, of the Revised Ordinances:

1. The foreman of each company will be held responsible for, and shall see that the buildings and apparatus committed to the care of his company, and all things in and belonging to the same, are kept clean and in place, and ready for immediate use.

2. It shall also be the duty of the foreman, or in his absence the officer next in command, to preserve order and discipline, at all times in their company, and to see that no member of his company shall use any intoxicating drinks at a fire, nor allow any liquors, or gambling apparatus to be brought into, used, or remain in any building of the Fire Department.

3. Members of the Fire Department shall not assemble around the doors of any department buildings on the Lord's day, nor in or around such buildings at unreasonable hours of the night, except in the discharge of their duties, and the foreman of each company shall see that none but members be allowed to frequent the same.

4. It shall be the duty of each and every member of the Department, upon an alarm of fire, to repair to the place thereof with the apparatus under their care, and to work the same under the direction of, and not leave the fire without the permission of, the Chief Engineer or Assistant Engineers.

5. No fireman shall neglect or refuse to attend fires, or refuse to perform any duty he may be called upon to do, by the engineers, and all firemen, shall, when at fires, address their superiors by official titles.

6. It shall be the duty of the clerk of each company to keep a correct roll of all the members of their respective companies, and to make a true return of the same to the Chief Engineer, indicating the presence at or absence from duty of each member, at each fire or alarm, within 24 hours after such fire or alarm.

7. Each company, under the direction of an engineer, shall meet once in each month, from April 1 to October 1, with apparatus, for practice and discipline.

8. All companies, in going to or returning from a fire, will not cross a line of hose when in use, except in case of absolute necessity; and, any company returning from a fire, finding they have hose or any other property belonging to another company, or any company losing any property, shall report the same at once to the engineer in charge.

9. No company shall leave the city on any occasion, without the consent of the Chief Engineer, nor shall any company take any apparatus belonging to the city on any excursion out of the city, without the consent of the City Council, or for a fire in a neighboring town, without the consent of the Chief Engineer, and any company taking any apparatus out of town, shall be accompanied by one of the engineers, who shall have charge of the same while absent from the city.

10. Any officer or member of the Fire Department, who shall wilfully neglect or refuse to perform his duty, or shall be guilty of disorderly conduct or disobedience to his superior in office at a fire, or in the department buildings, shall for such offense be forthwith suspended from the department by the engineer then in command, and any fireman so suspended, shall be ineligible to membership in any fire company in the city for a period of six months, after such dismissal.

11. The Board of Engineers will meet in the Ethan Allen building, third floor, room No. 1, the first and third Wednesdays of each month, to transact such business as may come before it.

F. E. PERKINS, Chief Engineer.
J. E. BRADLEY, 1st Assistant.
MOSES MURRAY, 2d Assistant.

